

## Rabbit anti-Human, Mouse AMSH-LP/STAMBPL1 Polyclonal Antibody | anti-AMSH-LP/STAMBPL1 antibody

Anti-AMSH-LP/STAMBPL1 Antibody Picoband

| CATALOG # | HOST   | REACTIVITY   | APPLICATIONS                                          |
|-----------|--------|--------------|-------------------------------------------------------|
| AAA127613 | Rabbit | Human, Mouse | ELISA, Flow Cytometry, Functional Assay, Western Blot |

### PRODUCT SYNONYMS

AMSH-LP/STAMBPL1; Polyclonal Antibody; Anti-AMSH-LP/STAMBPL1 Antibody Picoband; interleukin 36; alpha; Interleukin-36 alpha; FIL1 epsilon; Interleukin-1 epsilon; IL-1 epsilon; Interleukin-1 family member 6; IL-1F6; IL36A; FIL1E; IL1E; IL1F6; anti-AMSH-LP/STAMBPL1 antibody

### PRODUCT SPECIFICATIONS

|                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                       | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Reactivity                                                 | Human, Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Clonality                                                  | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Isotype                                                    | Rabbit IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Specificity                                                | Expressed in immune system and fetal brain, but not in other tissues tested or in multiple hematopoietic cell lines. Predominantly expressed in skin keratinocytes but not in fibroblasts, endothelial cells or melanocytes. Increased in lesional psoriasis skin.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Purity/Purification                                        | Immunogen affinity purified.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Form/Format                                                | Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na <sub>2</sub> HPO <sub>4</sub> .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Applicable Applications for anti-AMSH-LP/STAMBPL1 antibody | ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Immunogen                                                  | E coli-derived human AMSH-LP/STAMBPL1 recombinant protein (Position: Q187-R436).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Subcellular Localization                                   | Secreted                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Reconstitution                                             | Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Cross Reactivity                                           | No cross-reactivity with other proteins.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Protein Function                                           | Cytokine that binds to and signals through the IL1RL2/IL-36R receptor which in turn activates NF-kappa-B and MAPK signaling pathways in target cells linked to a pro-inflammatory response. Part of the IL-36 signaling system that is thought to be present in epithelial barriers and to take part in local inflammatory response; similar to the IL-1 system with which it shares the coreceptor IL1RAP. Seems to be involved in skin inflammatory response by acting on keratinocytes, dendritic cells and inly on T-cells to drive tissue infiltration, cell maturation and cell proliferation. In cultured keratinocytes induces the expression of macrophage, T-cell, and neutrophil chemokines, such as CCL3, CCL4, CCL5, CCL2, CCL17, CCL22, CL20, CCL5, CCL2, CCL17, CCL22, CXCL8, CCL20 and CXCL1, and the production of proinflammatory cytokines such as TNF-alpha, IL-8 and IL-6. In cultured monocytes upregulates expression of IL-1A, IL-1B and IL-6. In myeloid dendritic cells involved in cell maturation by upregulating surface expression of CD83, CD86 and HLA-DR. In monocyte-derived dendritic cells facilitates dendritic cell maturation and drives T-cell proliferation. May play a role in proinflammatory effects in the lung. |
| Preparation and Storage                                    | At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |



FCM/FACS (Flow Cytometry)

Figure 2. Flow Cytometry analysis of 293T cells using anti-AMSH-LP/STAMBPL1 antibody (AAA127613).Overlay histogram showing 293T cells stained with AAA127613 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-AMSH-LP/STAMBPL1 Antibody (AAA127613, 1ug/1x106 cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x106) used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.



WB (Western Blot)

Figure 1. Western blot analysis of AMSH-LP/STAMBPL1 using anti-AMSH-LP/STAMBPL1 antibody (AAA127613).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.Lane 1: human MCF-7 whole cell lysates,Lane 2: mouse NIH/3T3 whole cell lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-AMSH-LP/STAMBPL1 antigen affinity purified polyclonal antibody (#AAA127613) at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for AMSH-LP/STAMBPL1 at approximately 50 kDa. The expected band size for AMSH-LP/STAMBPL1 is at 50 kDa.

ADDITIONAL INFORMATION

|                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|----------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-AMSH-LP/STAMBPL1 antibody | The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Product Categories/Family for anti-AMSH-LP/STAMBPL1 antibody   | Primary Antibodies; Cytokines; Immunology; Innate Immunity; Interleukins                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| References                                                     | 1. Kikuchi, K., Ishii, N., Asao, H., Sugamura, K. Identification of AMSH-LP containing a Jab1/MPN domain metalloenzyme motif. Biochem. Biophys. Res. Commun. 306: 637-643, 2003. 2. Kitajima, K., Matsumoto, K., Tahara, M., Takahashi, H., Nakamura, T., Nakamura, T. A newly identified AMSH-family protein is specifically expressed in haploid stages of testicular germ cells. Biochem. Biophys. Res. Commun. 309: 135-142, 2003. 3. Nagase, T., Kikuno, R., Ishikawa, K., Hirose, M., Ohara, O. Prediction of the coding sequences of unidentified human genes. XVI. The complete sequences of 150 new cDNA clones from brain which code for large proteins in vitro. DNA Res. 7: 65-73, 2000. |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                  |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 375298740                                                                                                                                                        |
| NCBI GeneID                      | 57559                                                                                                                                                            |
| NCBI Accession #                 | NP_065850.1                                                                                                                                                      |
| NCBI GenBank Nucleotide #        | NM_020799                                                                                                                                                        |
| UniProt Accession #              | Q96FJ0; Q5T9N4; Q5T9N9; Q7Z420; Q9P2H4; B3KPA7                                                                                                                   |
| Molecular Weight                 | 52,199 Da                                                                                                                                                        |
| NCBI Official Full Name          | Homo sapiens STAM binding protein-like 1 (STAMBPL1), mRNA                                                                                                        |
| NCBI Official Synonym Full Names | STAM binding protein-like 1                                                                                                                                      |
| NCBI Official Symbol             | STAMBPL1                                                                                                                                                         |
| NCBI Official Synonym Symbols    | AMSH-FP; AMSH-LP; ALMalpha; bA399O19.2                                                                                                                           |
| NCBI Protein Information         | AMSH-like protease; associated molecule with the SH3 domain of STAM (AMSH) - Family Protein; associated molecule with the SH3 domain of STAM (AMSH) like protein |
| UniProt Protein Name             | AMSH-like protease                                                                                                                                               |
| UniProt Gene Name                | STAMBPL1                                                                                                                                                         |

|                            |                           |
|----------------------------|---------------------------|
| UniProt Synonym Gene Names | AMSHLP; KIAA1373; AMSH-LP |
| UniProt Entry Name         | STALP_HUMAN               |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/amsh-lp-stambpl1-antibody-flow-cytometry-western-blot-elisa/127613>