

## Rabbit anti-Human STRADB Polyclonal Antibody | anti-STRADB antibody

Anti-STRADB Antibody Picoband

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                                                                   |
|-----------|--------|------------|------------------------------------------------------------------------------------------------|
| AAA127282 | Rabbit | Human      | Western Blot, Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay, ELISA |

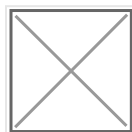
### PRODUCT SYNONYMS

STRADB; Polyclonal Antibody; Anti-STRADB Antibody Picoband; Zinc finger protein Helios; MAF bZIP transcription factor A; Transcription factor MafA; Pancreatic beta-cell-specific transcriptional activator; RIPE3b1 factor; V-maf musculoaponeurotic fibrosarcoma oncogene homolog A; MAFA; anti-STRADB antibody

### PRODUCT SPECIFICATIONS

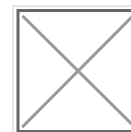
|                                                  |                                                                                                                                                                                                                                 |
|--------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                                                                                                                                          |
| Reactivity                                       | Human                                                                                                                                                                                                                           |
| Clonality                                        | Polyclonal                                                                                                                                                                                                                      |
| Isotype                                          | Rabbit IgG                                                                                                                                                                                                                      |
| Specificity                                      | Preferentially Expressed in regulatory T-cells (Tregs).                                                                                                                                                                         |
| 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-STRADB antibody | WB (Western Blot), IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry), ELISA                                                                                                                         |
| Immunogen                                        | E coli-derived human STRADB recombinant protein (Position: E24-E411).                                                                                                                                                           |
| Subcellular Localization                         | Nucleus                                                                                                                                                                                                                         |
| 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                                 | Transcription factor that activates insulin gene expression. Acts synergistically with NEUROD1/BETA2 and PDX1. Binds the insulin enhancer C1/RIPE3b element. Binds to consensus TRE-type MARE 5'-TGCTGACTCAGCA-3' DNA sequence. |
| 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.          |

### IMAGES



#### FCM/FACS (Flow Cytometry)

Figure 3. Flow Cytometry analysis of SiHa cells using anti-STRADB antibody (AAA127282). Overlay histogram showing SiHa cells stained with AAA127282 (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-STRADB Antibody (AAA127282, 1ug/1x10<sup>6</sup> 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/1x10<sup>6</sup>) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



#### IF (Immunofluorescence)

Figure 2. IF analysis of STRADB using anti-STRADB antibody (AAA127282). STRADB was detected in an immunocytochemical section of A549 cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5ug/mL rabbit anti-STRADB Antibody (AAA127282) overnight at 4 degree C. Cy3 Conjugated Goat Anti-Rabbit IgG (BA1032) was used as secondary antibody at 1:500 dilution and incubated for 30 minutes at 37 degree C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



**WB (Western Blot)**

Figure 1. Western blot analysis of STRADB using anti-STRADB antibody (AAA127282). 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 Raji whole cell lysates, Lane 2: human HepG2 whole cell lysates, Lane 3: human SH-SY5Y whole cell lysates, Lane 4: human K562 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-STRADB antigen affinity purified polyclonal antibody (#AAA127282) 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 STRADB at approximately 33 kDa. The expected band size for STRADB is at 47 kDa.

**ADDITIONAL INFORMATION**

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-STRADB 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-STRADB antibody   | <a href="#">Primary Antibodies</a> ; <a href="#">Signal Transduction</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| References                                           | 1. Hadano, S., Yanagisawa, Y., Skaug, J., Fichter, K., Nasir, J., Martindale, D., Koop, B. F., Scherer, S. W., Nicholson, D. W., Rouleau, G. A., Ikeda, J.-E., Hayden, M. R. Cloning and characterization of three novel genes, ALS2CR1, ALS2CR2, and ALS2CR3, in the juvenile amyotrophic lateral sclerosis (ALS2) critical region at chromosome 2q33-q34: candidate genes for ALS2. Genomics 71: 200-213, 2001.2. Sanna, M. G., da Silva Correia, J., Luo, Y., Chuang, B., Paulson, L. M., Nguyen, B., Deveraux, Q. L., Ulevitch, R. J. ILPIP, a novel anti-apoptotic protein that enhances XIAP-mediated activation of JNK1 and protection against apoptosis. J. Biol. Chem. 277: 30454-30462, 2002. |

**NCBI AND UNIPROT INFORMATION**

|                                  |                                                                                                                                                                                                                                                                 |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | <a href="#">13027388</a>                                                                                                                                                                                                                                        |
| NCBI GeneID                      | <a href="#">55437</a>                                                                                                                                                                                                                                           |
| NCBI Accession #                 | <a href="#">NP_061041</a>                                                                                                                                                                                                                                       |
| NCBI GenBank Nucleotide #        | <a href="#">NM_018571.5</a>                                                                                                                                                                                                                                     |
| UniProt Accession #              | <a href="#">Q9C0K7</a> ; <a href="#">Q5BKY7</a> ; <a href="#">Q9P1L0</a>                                                                                                                                                                                        |
| Molecular Weight                 | 31,219 Da                                                                                                                                                                                                                                                       |
| NCBI Official Full Name          | STE20-related kinase adapter protein beta isoform 1                                                                                                                                                                                                             |
| NCBI Official Synonym Full Names | STE20-related kinase adaptor beta                                                                                                                                                                                                                               |
| NCBI Official Symbol             | STRADB                                                                                                                                                                                                                                                          |
| NCBI Official Synonym Symbols    | PAPK; ILPIP; ILPIPA; ALS2CR2; CALS-21; PRO1038                                                                                                                                                                                                                  |
| NCBI Protein Information         | STE20-related kinase adapter protein beta; STRAD beta; pseudokinase ALS2CR2; ILP-interacting protein ILPIPA; amyotrophic lateral sclerosis 2 (juvenile) chromosome region, candidate 2; amyotrophic lateral sclerosis 2 chromosomal region candidate gene 2 pro |
| UniProt Protein Name             | STE20-related kinase adapter protein beta                                                                                                                                                                                                                       |
| UniProt Gene Name                | <b>STRADB</b>                                                                                                                                                                                                                                                   |

|                            |                            |
|----------------------------|----------------------------|
| UniProt Synonym Gene Names | ALS2CR2; ILPIP; STRAD beta |
| UniProt Entry Name         | STRAB_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/stradb-antibody-western-blot-immunofluorescence-immunocytochemistry-flow-cytometry-elisa/127282>