

## Rabbit anti-Human, Rat NAAA Polyclonal Antibody | anti-NAAA antibody

Anti-NAAA Antibody Picoband

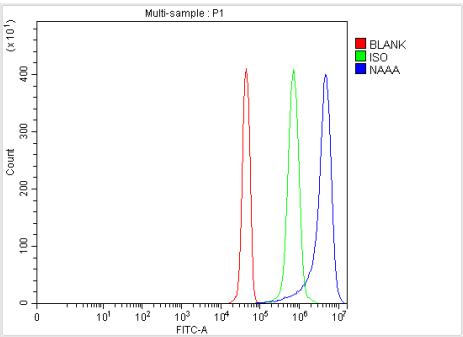
| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                          |
|-----------|--------|------------|-------------------------------------------------------|
| AAA127349 | Rabbit | Human, Rat | ELISA, Flow Cytometry, Functional Assay, Western Blot |

### PRODUCT SYNONYMS

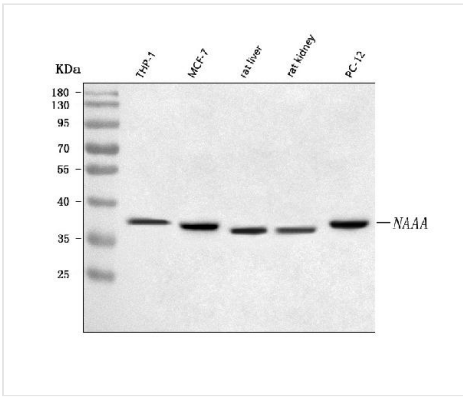
NAAA; Polyclonal Antibody; Anti-NAAA Antibody Picoband; AP-2 complex subunit mu; ELAV like RNA binding protein 2; ELAV-like protein 2; ELAV-like neuronal protein 1; Hu-antigen B; HuB; Nervous system-specific RNA-binding protein Hel-N1; ELAVL2; HUB; anti-NAAA antibody

### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                                                                                       |
|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                                                                                |
| Reactivity                                     | Human, Rat                                                                                                                                                                                                            |
| Clonality                                      | Polyclonal                                                                                                                                                                                                            |
| Isotype                                        | Rabbit IgG                                                                                                                                                                                                            |
| Specificity                                    | Brain; neural-specific.                                                                                                                                                                                               |
| 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-NAAA antibody | ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)                                                                                                                                                                   |
| Immunogen                                      | E coli-derived human NAAA recombinant protein (Position: R35-L325).                                                                                                                                                   |
| Subcellular Localization                       | Cytoplasm, Nucleus, Cytoplasm                                                                                                                                                                                         |
| 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                               | Binds RNA. Seems to recognize a GAAA motif. Can bind to its own 3'-UTR, the FOS 3'-UTR and the ID 3'-UTR.                                                                                                             |
| 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 JK cells using anti-NAAA antibody (AAA127349). Overlay histogram showing JK cells stained with AAA127349 (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-NAAA Antibody (AAA127349, 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.



**WB (Western Blot)**  
Figure 1. Western blot analysis of NAAA using anti-NAAA antibody (AAA127349). 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 THP-1 whole cell lysates, Lane 2: human MCF-7 whole cell lysates, Lane 3: rat liver tissue lysates, Lane 4: rat kidney tissue lysates, Lane 5: rat PC-12 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-NAAA antigen affinity purified polyclonal antibody (#AAA127349) 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 NAAA at approximately 38 kDa. The expected band size for NAAA is at 40 kDa.

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                   |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-NAAA 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-NAAA antibody   | Primary Antibodies; DNA/RNA; Epigenetics and Nuclear Signaling; RNA Processing                                                                                                                                                                                                    |
| References                                         | 1. Hong, S.-B., Li, C.-M., Rhee, H.-J., Park, J.-H., He, X., Levy, B., Yoo, O. J., Schuchman, E. H. Molecular cloning and characterization of a human cDNA and gene encoding a novel acid ceramidase-like protein. Genomics 62: 232-241, 1999.                                    |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                              |
|----------------------------------|----------------------------------------------------------------------------------------------|
| NCBI GI #                        | 109148548                                                                                    |
| NCBI GeneID                      | 27163                                                                                        |
| NCBI Accession #                 | NP_001035861.1                                                                               |
| NCBI GenBank Nucleotide #        | NM_001042402.1                                                                               |
| UniProt Accession #              | Q02083; Q5KTF2; Q96EY2; Q9BRA8                                                               |
| Molecular Weight                 | 40,066 Da                                                                                    |
| NCBI Official Full Name          | N-acylethanolamine-hydrolyzing acid amidase isoform 2                                        |
| NCBI Official Synonym Full Names | N-acylethanolamine acid amidase                                                              |
| NCBI Official Symbol             | NAAA                                                                                         |
| NCBI Official Synonym Symbols    | PLT; AS AHL                                                                                  |
| NCBI Protein Information         | N-acylethanolamine-hydrolyzing acid amidase; ASAH-like protein; acid ceramidase-like protein |

|                            |                                             |
|----------------------------|---------------------------------------------|
| UniProt Protein Name       | N-acylethanolamine-hydrolyzing acid amidase |
| UniProt Gene Name          | NAAA                                        |
| UniProt Synonym Gene Names | ASAH1; PLT; ASAH-like protein               |
| UniProt Entry Name         | NAAA_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/naaa-antibody-flow-cytometry-western-blot-elisa/127349>