

## Rabbit ASAH1 Polyclonal Antibody | anti-ASAH1 antibody

ASAH1 Antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                              |
|-----------|--------|-------------------|-------------------------------------------|
| AAA307153 | Rabbit | Human, Mouse, Rat | Immunohistochemistry, Western Blot, ELISA |

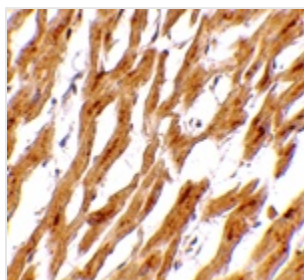
### PRODUCT SYNONYMS

ASAH1; Polyclonal Antibody; ASAH1 Antibody; N-acylsphingosine amidohydrolase (non-lysosomal ceramidase) 1; acid ceramidase; anti-ASAH1 antibody

### PRODUCT SPECIFICATIONS

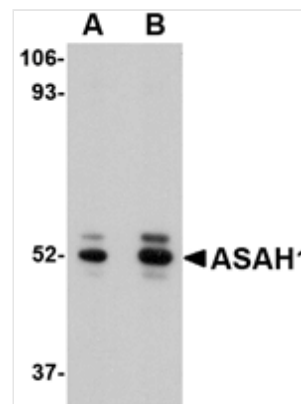
|                                                 |                                                                                                                                                                                                        |
|-------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                                                 |
| Reactivity                                      | Human, Mouse, Rat                                                                                                                                                                                      |
| Clonality                                       | Polyclonal                                                                                                                                                                                             |
| Purity/Purification                             | Affinity chromatography purified via peptide column                                                                                                                                                    |
| Form/Format                                     | Supplied in PBS containing 0.02% sodium azide.                                                                                                                                                         |
| Sequence Length                                 | 546                                                                                                                                                                                                    |
| Applicable Applications for anti-ASAH1 antibody | IHC (Immunohistochemistry), WB (Western Blot), ELISA                                                                                                                                                   |
| Immunogen Type                                  | Peptide                                                                                                                                                                                                |
| Immunogen Description                           | Raised against a 16 amino acid peptide near the carboxy terminus of the human ASAH1.                                                                                                                   |
| Target Name                                     | ASAH1                                                                                                                                                                                                  |
| Preparation and Storage                         | Can be stored at -20 degree C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures. |

### IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of ASAH1 in human heart tissue with ASAH1 antibody at 2.5 ug/mL.



WB (Western Blot)

Western blot analysis of ASAH1 in mouse heart tissue lysate with ASAH1 antibody at (A) 1 and (B) 2 ug/mL.

ADDITIONAL INFORMATION

|                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|---------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-<br>ASAH1 antibody | Sphingolipids are hydrolyzed by ceramidases to yield sphingosine and fatty acids. These ceramidases are classified according to the pH range that supports their optimal activity. ASAH1 is an acid ceramidase and key regulator of ceramide metabolism. Mutations in this gene results in Farber Lipogranulomatosis, a fatal human genetic disorder that results in the painful swelling of the joints and tendons and pulmonary insufficiency, while a complete knockout of its expression is lethal in mice. Recent studies have shown elevated levels of ASAH1 in Alzheimer's disease (AD) patients correlating with a reduction in sphingomyelin and elevation of ceramide. Pretreatment of cultured neurons with recombinant ASAH1 prevented the cells from undergoing A-beta (Ab)-induced apoptosis. Multiple isoforms of this protein are known to exist. |
| Product Categories/Family for anti-<br>ASAH1 antibody   | Total protein Ab                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                     |
|----------------------------------|---------------------------------------------------------------------|
| NCBI GI #                        | 119584199                                                           |
| NCBI GeneID                      | 427                                                                 |
| Molecular Weight                 | 44,046 Da                                                           |
| NCBI Official Full Name          | N-acylsphingosine amidohydrolase (acid ceramidase) 1, isoform CRA_c |
| NCBI Official Synonym Full Names | N-acylsphingosine amidohydrolase (acid ceramidase) 1                |
| NCBI Official Symbol             | ASAH1                                                               |
| NCBI Official Synonym Symbols    | AC; PHP; ASAH; PHP32; ACDase; SMAPME                                |
| NCBI Protein Information         | acid ceramidase                                                     |
| UniProt Protein Name             | Acid ceramidase                                                     |
| UniProt Gene Name                | ASAH1                                                               |
| UniProt Synonym Gene Names       | ASAH; AC; ACDase; Acid CDase; PHP32                                 |
| UniProt Entry Name               | ASAH1_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/asah1-antibody-immunohistochemistry-western-blot-elisa/307153>