

## Rabbit ASAH1 Polyclonal Antibody | anti-ASAH1 antibody

ASAH1 Antibody

|                               |                       |                                        |                                                           |
|-------------------------------|-----------------------|----------------------------------------|-----------------------------------------------------------|
| CATALOG #<br><b>AAA323072</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Immunohistochemistry, Western Blot</b> |
|-------------------------------|-----------------------|----------------------------------------|-----------------------------------------------------------|

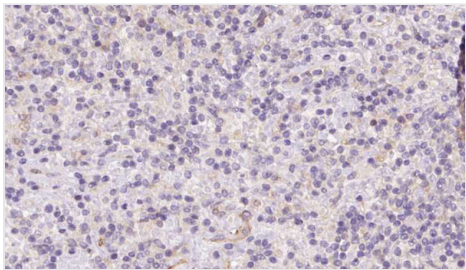
### PRODUCT SYNONYMS

ASAH1; Polyclonal Antibody; ASAH1 Antibody; AC; ACDase; Acid CDase; Acid ceramidase; Acid ceramidase precursor; Acid ceramidase subunit beta; Acylsphingosine deacylase; ASAH 1; ASAH; ASAH1\_HUMAN; FLJ21558; FLJ22079; N acylsphingosine amidohydrolase (acid ceramidase) 1; N acylsphingosine amidohydrolase 1; N acylsphingosine amidohydrolase; N-acylsphingosine amidohydrolase; N-acylsphingosine deacylase; PHP; PHP32; Putative 32 kDa heart protein; SMAPME; anti-ASAH1 antibody

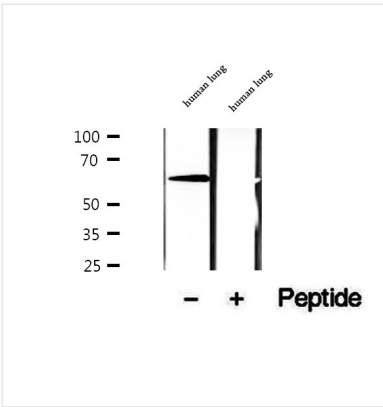
### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                               |
|-------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                        |
| Reactivity                                      | Human, Mouse, Rat                                                                                             |
| Clonality                                       | Polyclonal                                                                                                    |
| Isotype                                         | IgG                                                                                                           |
| Specificity                                     | ASAH1 antibody detects endogenous levels of ASAH1.                                                            |
| Purity/Purification                             | The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.                 |
| Form/Format                                     | Liquid<br>Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                 |
| Concentration                                   | 1mg/ml (varies by lot)                                                                                        |
| Sequence Length                                 | 389                                                                                                           |
| Applicable Applications for anti-ASAH1 antibody | IHC (Immunohistochemistry), WB (Western Blot)                                                                 |
| Immunogen                                       | A synthesized peptide derived from human ASAH1.                                                               |
| Subcellular Location                            | Lysosome.                                                                                                     |
| Tissue Specificity                              | Broadly expressed with highest expression in heart.                                                           |
| Predicted Cross Reactivity                      | <b>Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus</b>                                               |
| Similarity                                      | Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (91%), Dog (100%), Chicken (88%), Xenopus (89%) |
| Conjugation                                     | Unconjugated                                                                                                  |
| Preparation and Storage                         | Store at -20 degree C. Stable for 12 months from date of receipt.                                             |

IMAGES



**IHC (Immunohistochemistry)**  
AAA323072 at 1/100 staining Human lymph cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



**WB (Western Blot)**  
Western blot analysis of extracts of human lung tissue, using ASA1 antibody.

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                 |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-ASA1 antibody | Function: Hydrolyzes the sphingolipid ceramide into sphingosine and free fatty acid.<br>Subunit Structure: Heterodimer of one alpha and one beta subunit.<br>Similarity: Belongs to the acid ceramidase family. |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                          |
|----------------------------------|------------------------------------------|
| NCBI GI #                        | 189011550                                |
| NCBI GeneID                      | 427                                      |
| NCBI Accession #                 | NP_001120977.1                           |
| NCBI GenBank Nucleotide #        | NM_001127505.2                           |
| UniProt Accession #              | Q13510; Q6W898; Q96AS2; E9PDS0           |
| Molecular Weight                 | Observed: 60-65 kDa<br>Predicted: 45 kDa |
| NCBI Official Full Name          | acid ceramidase isoform c                |
| NCBI Official Synonym Full Names | N-acylsphingosine amidohydrolase 1       |
| NCBI Official Symbol             | ASA1                                     |
| NCBI Official Synonym Symbols    | AC; PHP; ASAH; PHP32; ACDase; SMAPME     |
| NCBI Protein Information         | acid ceramidase                          |
| UniProt Protein Name             | Acid ceramidase                          |
| UniProt Gene Name                | ASA1                                     |
| UniProt Synonym Gene Names       | ASA1; AC; ACDase; Acid CDase; PHP32      |

**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.