

Rabbit ASAH1 Polyclonal Antibody | anti-ASAH1 antibody

ASAH1 Antibody

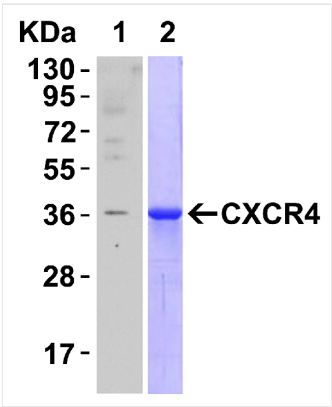
CATALOG # AAA39709	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence, Immunohistochemistry, Western Blot, ELISA
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PRODUCT SYNONYMS

ASAH1; Polyclonal Antibody; ASAH1 Antibody; AC; PHP; ASAH; PHP32; ACDase; SMAPME; HSD-33; HSD33; Acid ceramidase; Acylsphingosine deacylase; N-acylsphingosine amidohydrolase (acid ceramidase) 1; anti-ASAH1 antibody

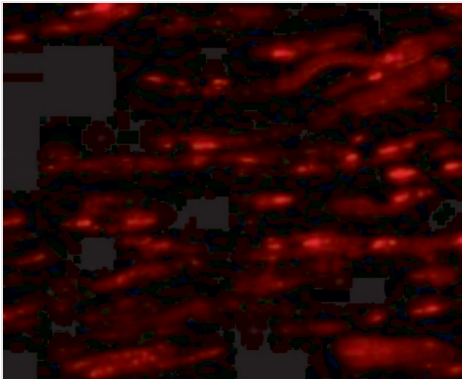
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	Multiple isoforms of ASAH1 are known to exist.
Purity/Purification	ASAH1 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	546
Applicable Applications for anti-ASAH1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	ASAH1 antibody was raised against a 16 amino acid synthetic peptide near the carboxy terminus of the human ASAH1.
Buffer	ASAH1 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	ASAH1 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to 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.



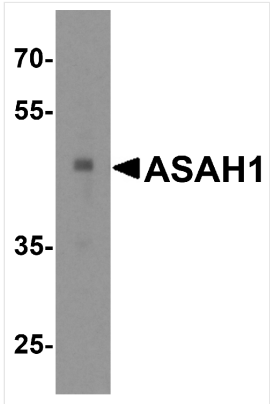
IF (Immunofluorescence)

Immunofluorescence of ASAH1 in rat heart tissue with ASAH1 antibody at 20 µg/mL. Red: ASAH1 Antibody (4741) Blue: DAPI staining



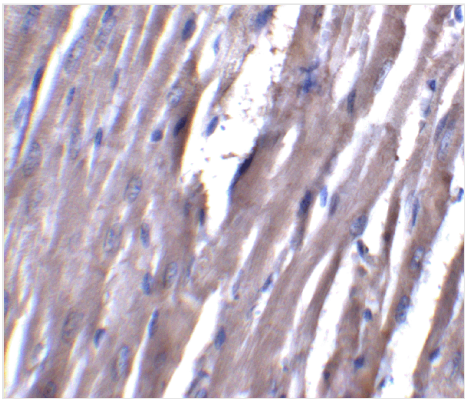
IF (Immunofluorescence)

Immunofluorescence of ASAH1 in Human Heart cells with ASAH1 antibody at 20 µg/mL.



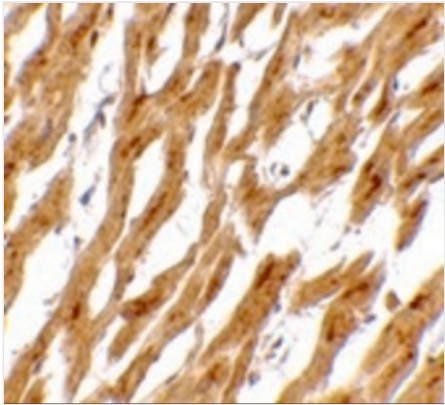
WB (Western Blot)

Western blot analysis of ASAH1 in human heart tissue lysate with ASAH1 antibody at 1 µg/mL.



IHC (Immunohistochemistry)

Immunohistochemistry of ASAH1 in rat heart tissue with ASAH1 antibody at 5 µg/mL.



IHC (Immunohistochemistry)

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

ADDITIONAL INFORMATION

Related Product Information for anti- ASAH1 antibody	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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	119584199
NCBI GeneID	427
UniProt Accession #	Q13510; Q6W898; Q96AS2; E9PDS0
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; acid CDase; acylsphingosine deacylase; putative 32 kDa heart protein
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://www.aaabiotech.com/polyclonal/asah1-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/39709>