

Rabbit anti-Human Acid Ceramidase 1 Polyclonal Antibody | anti-ASAH1 antibody

Acid Ceramidase 1

CATALOG # AAA60495	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA, Western Blot
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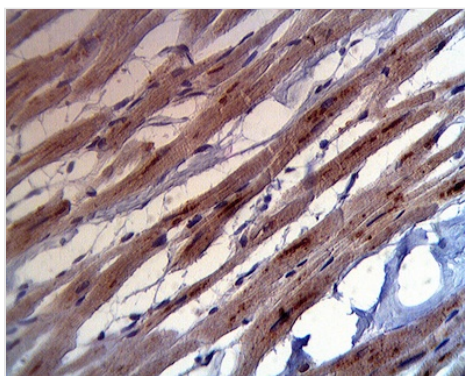
PRODUCT SYNONYMS

Acid Ceramidase 1; Polyclonal Antibody; N-acylsphingosine amidohydrolase (Acid ceramidase) 1; ASAH1; anti-ASAH1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen Immunoaffinity Purification
Form/Format	Provided as solution in phosphate buffered saline with 0.08% sodium azide
Concentration	0.5mg/mL (varies by lot)
Sequence Length	389
Applicable Applications for anti-ASAH1 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Immunogen	Synthetic peptide derived from the C terminal region of the ASAH1 protein.
Positive Control	Human heart tissue
Functional Analysis	Western Blotting
Preparation and Storage	Product should be stored at -20 degree C. Aliquot to avoid freeze/thaw cycles

IMAGES



IHC (Immunohistochemistry)

Immunohistochemical staining of human heart tissue using Acid Ceramidase 1 antibody at 10 ug/ml.

ADDITIONAL INFORMATION

Related Product Information for anti- ASAH1 antibody	Acid ceramidase is a lipid hydrolyase responsible for the degradation of ceramide into sphingosine and free fatty acids within lysosomes. It can also synthesize ceramide from sphingosine and free fatty acids as well. The reverse activity is pH dependent (6.0 vs 4.5, respectively). This suggests that the enzyme may have diverse functions within cells dependent on its subcellular location and the local pH. Recent studies have shown that acid ceramidase activity is aberrantly expressed in several human cancers and that it might be a useful drug target. As an example, inhibitors of enzyme activity have been shown to slow the growth of cancer cells alone or in combination with other established, anti-oncogenic treatments. Aberrant activity has also been shown in Alzheimer's disease and overexpression may prevent insulin resistant (Type II) diabetes by free fatty acids.
Product Categories/Family for anti- ASAH1 antibody	Antigen Immunoaffinity Purified Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	189011550
NCBI GeneID	427
NCBI Accession #	NP_001120977.1
NCBI GenBank Nucleotide #	NM_001127505.1
UniProt Accession #	Q53H01; Q9EQJ6; Q9WV54; Q13510
NCBI Official Full Name	acid ceramidase isoform 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	N-acylsphingosine amidohydrolase (Acid ceramidase) 1 preproprotein isoform a variant
UniProt Entry Name	Q53H01_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.