

Rabbit ASAH1 Polyclonal Antibody | anti-ASAH1 antibody

Anti-ASAH1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA19197	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, Immunocytochemistry, Immunofluorescence, ELISA

PRODUCT SYNONYMS

ASAH1; Polyclonal Antibody; Anti-ASAH1 Antibody; Acid ceramidase; AC; ACDase; Acid Cdase; Acylsphingosine deacylase; N-acylethanolamine hydrolase ASAH1; N-acylsphingosine amidohydrolase; Putative 32 kDa heart protein; PHP32; Acid ceramidase subunit alpha; Acid ceramidase subunit beta; ASAH; HSD-33; HSD33; anti-ASAH1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	No cross reactivity with other proteins.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	395
Applicable Applications for anti-ASAH1 antibody	WB (Western Blot), IHC (Immunohistochemistry), ICC (Immunocytochemistry), IF (Immunofluorescence), ELISA (Direct ELISA)
Application Notes	WB: 0.25-0.5ug/ml (Human, Mouse, Rat) IHC-P (Embedded Section): 0.5-1ug/ml (Human, Mouse) ICC: 2ug/ml (Human) IF: 2ug/ml (Human) Direct ELISA: 0.1-0.5ug/ml (Human) Tested Species: In-house tested species with positive results.
Immunogen	E Coli-derived human ASAH1 recombinant protein (Position: H63-I393).
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen store at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES

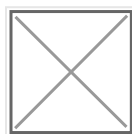
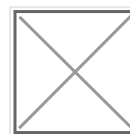
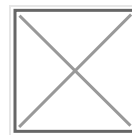

WB (Western Blot)

Figure 1. Western blot analysis of ASAH1 using anti-ASAH1 antibody.

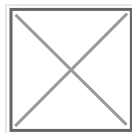

IHC (Immunohistochemistry)



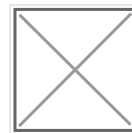
IHC (Immunohistochemistry)



IHC (Immunohistochemistry)



IHC (Immunohistochemistry)



IF (Immunofluorescence)

ADDITIONAL INFORMATION

Related Product Information for anti-ASAH1 antibody	Description: Rabbit IgG polyclonal antibody for ASAH1 detection. Tested with WB, IHC-P, ICC/IF, Direct ELISA in Human; Mouse; Rat. Background: The ASAH1 gene encodes in humans the acid ceramidase enzyme. It is mapped to 8p22. This gene encodes a member of the acid ceramidase family of proteins. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed. Processing of this preproprotein generates alpha and beta subunits that heterodimerize to form the mature lysosomal enzyme, which catalyzes the degradation of ceramide into sphingosine and free fatty acid. This enzyme is overexpressed in multiple human cancers and may play a role in cancer progression. Mutations in this gene are associated with the lysosomal storage disorder, Farber lipogranulomatosis, and a neuromuscular disorder, spinal muscular atrophy with progressive myoclonic epilepsy.
References	1. Alves, M. Q., Le Trionnaire, E., Ribeiro, I., Carpentier, S., Harzer, K., Levade, T., Ribeiro, M. G. Molecular basis of acid ceramidase deficiency in a neonatal form of Farber disease: identification of the first large deletion in ASAH1 gene. Molec. Genet. Metab. 109: 276-281, 2013. 2. Souillet, G., Guibaud, P., Fensom, A. H., Maire, I., Zabot, M. T. Outcome of displacement bone marrow transplantation in Farber's disease: a report of a case. In: Hobbs, J. R. (ed.) : Correction of Certain Genetic Diseases by Transplantation. London: COGENT 1989. Pp. 137-141. 3. Zhou, J., Tawk, M., Tiziano, F. D., Veillet, J., Bayes, M., Nolent, F., Garcia, V., Servidei, S., Bertini, E., Castro-Giner, F., Renda, Y., Carpentier, S., Andrieu-Abadie, N., Gut, I., Levade, T., Topaloglu, H., Melki, J. Spinal muscular atrophy associated with progressive myoclonic epilepsy is caused by mutations in ASAH1. Am. J. Hum. Genet. 91: 5-14, 2012.

NCBI AND UNIPROT INFORMATION

NCBI GI #	239938949
NCBI GeneID	427
UniProt Accession #	Q13510
NCBI Official Full Name	Acid ceramidase
NCBI Official Synonym Full Names	N-acylsphingosine amidohydrolase 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-western-blot-immunohistochemistry-immunocytochemistry-immunofluorescence-direct-elisa-elisa/19197>