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Datasheet for ABIN2787375

anti-ASAH1 antibody (N-Term)

1 Image

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Overview

Quantity:	100 µL
Target:	ASAH1
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ASAH1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human ASAH1
Sequence:	MPGRSCVALV LLAAAVSCAV AQHAPPWTED CRKSTYPPSG PTYRGAVPWY
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 92%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against ASAH1. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	ASAH1
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Target Details

Alternative Name:	ASAH1 (ASAH1 Products)
Background:	<p>This gene encodes a heterodimeric protein consisting of a nonglycosylated alpha subunit and a glycosylated beta subunit that is cleaved to the mature enzyme posttranslationally. The encoded protein catalyzes the synthesis and degradation of ceramide into</p> <p>Alias Symbols: AC, ASAH, FLJ21558, FLJ22079, PHP, PHP32, ACDase</p> <p>Protein Interaction Partner: SRPK1, CAMK1D, FBXO6, UBC, PSMA3, Bub1b, TSC22D1, SETDB1, SMPD1,</p> <p>Protein Size: 395</p>
Molecular Weight:	44 kDa
Gene ID:	427
NCBI Accession:	NM_177924 , NP_808592
UniProt:	Q13510

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 395 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

Product cited in:

Tan, Liu, Fox, Barth, Sharma, Turner, Awwad, Dewey, Doi, Spitzer, Shah, Morad, Desai, Amin, Zhu, Liao, Yun, Kester, Claxton, Wang, Cabot, Schuchman, Levine, Feith, Loughran: "Acid ceramidase is upregulated in AML and represents a novel therapeutic target." in: **Oncotarget**, Vol. 7, Issue 50, pp. 83208-83222, (2016) ([PubMed](#)).

Elamin, Titz, Dijon, Merg, Geertz, Schneider, Martin, Schlage, Frentzel, Talamo, Phillips, Veljkovic, Ivanov, Vanscheeuwijck, Peitsch, Hoeng: "Quantitative proteomics analysis using 2D-PAGE to investigate the effects of cigarette smoke and aerosol of a prototypic modified risk tobacco product on the lung proteome in C57BL/6 mice." in: **Journal of proteomics**, Vol. 145, pp. 237-45, (2016) ([PubMed](#)).

Images



Western Blotting

Image 1. WB Suggested Anti-ASAH1 Antibody Titration:

0.2-1 ug/ml

ELISA Titer: 1:1562500

Positive Control: Human Lung