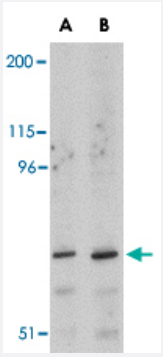
ASAH2 polyclonal antibody

Catalog # PAB13057 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of ASAH2 in 293 cell lysate with ASAH2 polyclonal antibody (Cat # PAB13057) at (A) 1 and (B) 2 ug/mL .

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of ASAH2.
Immunogen	A synthetic peptide corresponding to C-terminus 17 amino acids of human ASAH2.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Form	Liquid
Recommend Usage	Western Blot (1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.02% sodium azide)
Storage Instruction	Store at 4°C for three months. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

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Gene Info — ASAH2

Entrez GeneID	56624
Protein Accession#	NP_063946
Gene Name	ASAH2
Gene Alias	HNAC1, MGC129777, NCDase
Gene Description	N-acylsphingosine amidohydrolase (non-lysosomal ceramidase) 2
Omim ID	611202
Gene Ontology	Hyperlink
Gene Summary	Ceramidases (EC 3.5.1.23), such as ASAH2, catalyze hydrolysis of the N-acyl linkage of ceramide, a second messenger in a variety of cellular events, to produce sphingosine. Sphingosine exerts both mitogenic and apoptosis-inducing activities, and its phosphorylated form functions as an intra- and intercellular second messenger (see MIM 603730) (Mitsutake et al., 2001 [PubMed 11328816]).[supplied by OMIM
Other Designations	N-acylsphingosine amidohydrolase 2|mitochondrial ceramidase|neutral ceramidase|neutral/alkaline ceramidase|non-lysosomal ceramidase

Publication Reference

- Roles for C16-ceramide and sphingosine 1-phosphate in regulating hepatocyte apoptosis in response to tumor necrosis factor-alpha.

  Osawa Y, Uchinami H, Bielawski J, Schwabe RF, Hannun YA, Brenner DA.

  The Journal of Biological Chemistry 2005 Jul; 280(30):27879.

- O-glycosylation of mucin-like domain retains the neutral ceramidase on the plasma membranes as a type II integral membrane protein.

  Tani M, Iida H, Ito M.

  The Journal of Biological Chemistry 2003 Mar; 278(12):10523.

- Alkaline sphingomyelinases and ceramidases of the gastrointestinal tract.

  Nilsson A, Duan RD.

  Chemistry and Physics of Lipids 1999 Nov; 102(1-2):97.

Pathway

- Metabolic pathways
- Sphingolipid metabolism

Disease

- Alzheimer Disease
- Genetic Predisposition to Disease