

For Research Use Only

ASAH1 Monoclonal antibody

Catalog Number: 67092-2-Ig



Basic Information

Catalog Number: 67092-2-Ig	GenBank Accession Number: BC016828	Purification Method: Protein G purification
Size: 150ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 427	CloneNo.: 2B3C7
Source: Mouse	Full Name: N-acylsphingosine amidohydrolase (acid ceramidase) 1	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG1	Calculated MW: 44 kDa	
Immunogen Catalog Number: AG28645	Observed MW: 44-55 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : pig liver tissue, pig brain tissue, rabbit brain tissue, rat brain tissue
Species Specificity: Human, Pig, Rat, Rabbit	

Background Information

ASAH1, also named as AC, ACDase, Acid CDase, PHP32 and ASAH, belongs to the acid ceramidase family. ASAH1 is a lipid hydrolase that catalyzes the conversion of ceramide (cer) into sphingosine (SPH) and a free fatty acid. Mutation of ASAH1 will cause the Farber lipogranulomatosis (FL) which also known as Farber disease (FD). ASAH1 is highly expressed in Heart. And it is first synthesized as an 55-60 kDa precursor and subsequently processed to the mature, heterodimeric enzyme (40 + 13 kDa) in the endosomes/lysosomes.

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1%BSA**

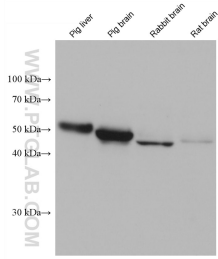
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67092-2-Ig (ASA1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.