For Research Use Only

ASAH1 Monoclonal antibody

Catalog Number:67092-2-Ig

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Basic Information

Catalog Number:
67092-2-Ig

Size:
1000 ug/ml

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG28645

GenBank Accession Number:
BC016828

GeneID (NCBI):
427

UNIPROT ID:
Q13510

Full Name:
N-acylsphingosine amidohydrolase (acid ceramidase) 1

Calculated MW:
44 kDa

Observed MW:
44-55 kDa

Purification Method:
Protein G purification

CloneNo.:
2B3C7

Recommended Dilutions:
WB 1:2000-1:20000
IF/ICC 1:400-1:1600

Applications

Tested Applications:
WB, IF/ICC, ELISA

Species Specificity:
human, rat, pig, rabbit

Positive Controls:

WB : pig liver tissue, pig brain tissue, rabbit brain tissue, rat brain tissue

IF/ICC : MCF-7 cells,

Background Information

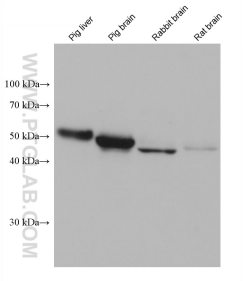
ASAH1, also named as AC, ACDase, Acid CDase, PHP32 and ASAH, belongs to the acid ceramidase family. ASAH1 is a lipid hydrolase that catalyzes the conversion of ceramide (cer) into sphingosine (SPH) and a free fatty acid. Mutation of ASAH1 will cause the Farber lipogranulomatosis (FL) which also known 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

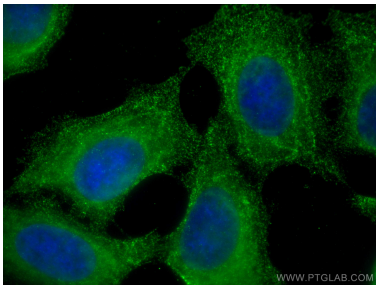
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67092-2-Ig (ASAH1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Methanol) fixed MCF-7 cells using ASAH1 antibody (67092-2-Ig, Clone: 2B3C7) at dilution of 1:800 and Multi-rAb CoraLite ® Plus 488-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (RGAM002).