

For Research Use Only

# ASAH1 Monoclonal antibody

Catalog Number: 67092-2-Ig



## Basic Information

<b>Catalog Number:</b> 67092-2-Ig	<b>GenBank Accession Number:</b> BC016828	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 150ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 427	<b>CloneNo.:</b> 2B3C7
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q13510	<b>Recommended Dilutions:</b> WB 1:2000-1:20000 IF/ICC 1:400-1:1600
<b>Isotype:</b> IgG1	<b>Full Name:</b> N-acylsphingosine amidohydrolase (acid ceramidase) 1	
<b>Immunogen Catalog Number:</b> AG28645	<b>Calculated MW:</b> 44 kDa	
	<b>Observed MW:</b> 44-55 kDa	

## Applications

<b>Tested Applications:</b> WB, IF/ICC, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human, rat, pig, rabbit	<b>WB :</b> pig liver tissue, pig brain tissue, rabbit brain tissue, rat brain tissue <b>IF/ICC :</b> 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

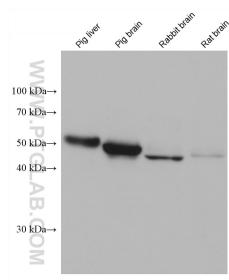
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

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

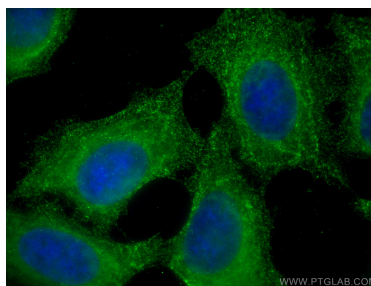
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## Selected Validation Data



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.



Immunofluorescent analysis of (-20°C Methanol) fixed MCF-7 cells using ASA1 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).