



ASAH2 blocking peptide (CDBP5107)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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, Mar 2008]
Conjugate	Unconjugated
Applications	Used as a blocking peptide in immunoblotting applications.
Format	Liquid
Concentration	200 µg/mL
Size	0.05 mg
Preservative	None
Storage	-20°C

GENE INFORMATION

Gene Name	ASAH2 N-acylsphingosine amidohydrolase (non-lysosomal ceramidase) 2 [Homo sapiens (human)]
Official Symbol	ASAH2
Synonyms	ASAH2; N-acylsphingosine amidohydrolase (non-lysosomal ceramidase) 2; HNAC1; BCDase; LCDase; NCDase; N-CDase; neutral ceramidase; mitochondrial ceramidase; non-lysosomal ceramidase; acylsphingosine deacylase 2; neutral/alkaline ceramidase; N-acylsphingosine amidohydrolase 2

Entrez Gene ID	56624
mRNA Refseq	NM_001143974
Protein Refseq	NP_001137446
UniProt ID	Q9NR71
Pathway	Glycosphingolipid metabolism; Metabolism; Metabolism of lipids and lipoproteins; Sphingolipid Metabolism; Sphingolipid metabolism; Sphingosine biosynthesis; ceramide degradation; sphingosine and sphingosine-1-phosphate metabolism
Function	ceramidase activity