ASAH1 rabbit monoclonal antibody

Catalog # H00000427-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human ASAH1 peptide using ARM Technology.
Immunogen	A synthetic peptide of human ASAH1 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human ASAH1 peptide by ELISA and mammalian transfected lysate by W estern Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering in cluding $F(ab)_2$, IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

  Protocol Download

- ELISA

Gene Info — ASAH1

Entrez GeneID	427
GeneBank Accession#	ASAH1
Gene Name	ASAH1
Gene Alias	AC, ASAH, FLJ21558, FLJ22079, PHP, PHP32
Gene Description	N-acylsphingosine amidohydrolase (acid ceramidase) 1
Omim ID	228000
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a heterodimeric protein consisting of a nonglycosylated alpha subunit and a gl ycosylated beta subunit that is cleaved to the mature enzyme posttranslationally. The encoded pro tein catalyzes the synthesis and degradation of ceramide into sphingosine and fatty acid. Mutatio ns in this gene have been associated with a lysosomal storage disorder known as Farber diseas e. Multiple transcript variants encoding several distinct isoforms have been identified for this gene . [provided by RefSeq
Other Designations	N-acylsphingosine amidohydrolase 1|OTTHUMP00000122482|acylsphingosine deacylase|putativ e 32 kDa heart protein

Pathway

- Lysosome
- Metabolic pathways
- Sphingolipid metabolism

Disease

- Cardiovascular Diseases
- Diabetes Mellitus
- Edema

- Tobacco Use Disorder