

SMPD1 rabbit monoclonal antibody

Catalog # H00006609-K

Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human SMPD1 peptide using ARM Technology.
Immunogen	A synthetic peptide of human SMPD1 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 SMPD1 peptide by ELISA and mammalian transfected lysate by Western 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 including 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 — SMPD1

Entrez GeneID	6609
GeneBank Accession#	SMPD1
Gene Name	SMPD1
Gene Alias	ASM, NPD
Gene Description	sphingomyelin phosphodiesterase 1, acid lysosomal
Omim ID	257200 607608 607616
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a lysosomal acid sphingomyelinase that converts sphingomyelin to ceramide. The encoded protein also has phospholipase C activity. Defects in this gene are a cause of Niemann-Pick disease type A (NPA) and Niemann-Pick disease type B (NPB). Three transcript variants encoding two different isoforms have been found for this gene. [provided by Ref Seq]
Other Designations	acid sphingomyelinase

Pathway

- [Lysosome](#)
- [Metabolic pathways](#)
- [Sphingolipid metabolism](#)

Disease

- [Cardiovascular Diseases](#)
- [Coronary Artery Disease](#)
- [Cystic fibrosis](#)
- [Diabetes Mellitus](#)

- [Dominance](#)
- [Edema](#)
- [Gaucher disease](#)
- [Genetic Diseases](#)
- [Schizophrenia](#)