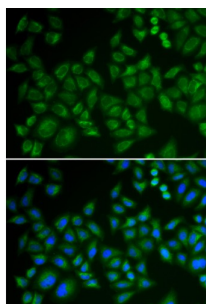
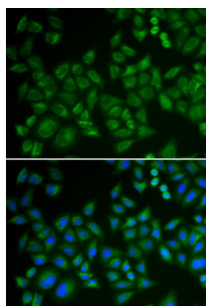


Sphingomyelin Phosphodiesterase (SMPD1) Antibody

Catalogue No.: abx005173



Western blot analysis of various lysates using SMPD1 / ASM Antibody at 1/1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) at 1/10000 dilution. Lysates / proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 5s.



Immunofluorescence analysis of HeLa cells using SMPD1 / ASM Antibody. Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) at 1/500 dilution. Blue: DAPI for nuclear staining.

SMPD1 Antibody is a Rabbit Polyclonal antibody against SMPD1. The protein encoded by this gene is a lysosomal Sphingomyelin Phosphodiesterase 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). Multiple transcript variants encoding different isoforms have been identified.

Target: Sphingomyelin Phosphodiesterase (SMPD1)

Clonality: Polyclonal

Reactivity: Human, Mouse, Rat

Tested Applications: ELISA, WB, IF/ICC

Host: Rabbit

Recommended dilutions: ELISA: 1 µg/ml, WB: 1/100 - 1/500, IF/ICC: 1/10 - 1/100. Optimal dilutions/concentrations should be determined by the end user.

Conjugation: Unconjugated

Immunogen: Recombinant protein corresponding to SMPD1. The exact sequence is proprietary.

Isotype: IgG

Form: Liquid

Datasheet

Version: 5.0.0
Revision date: 15 Sep 2025



Purification:	Purified by affinity chromatography.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P17405 (UniProt , ExPASy)
Gene Symbol:	SMPD1
GeneID:	6609
OMIM:	607608
NCBI Accession:	NP_000534.3
HGNC:	11120
KEGG:	hsa:6609
Ensembl:	ENSG00000166311
String:	9606.ENSP00000340409
Molecular Weight:	Calculated MW: 70 kDa Observed MW: 55/70 kDa
Buffer:	PBS, pH 7.3, containing 0.01% thimerosal, 50% glycerol.
Concentration:	> 0.2 mg/ml
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.