

Rabbit SMPD1 Polyclonal Antibody | anti-SMPD1 antibody

SMPD1 Polyclonal Antibody

CATALOG # AAA279590	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence, Immunohistochemistry, Western Blot
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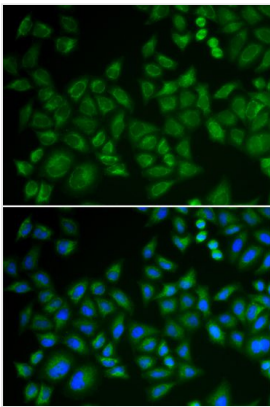
PRODUCT SYNONYMS

SMPD1; Polyclonal Antibody; SMPD1 Polyclonal Antibody; ASM; NPD; ASMASE; anti-SMPD1 antibody

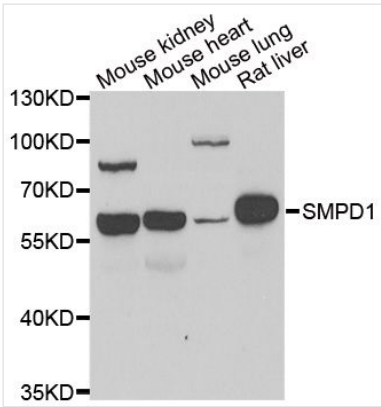
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Concentration	1mg/ml (varies by lot)
Sequence Length	629
Applicable Applications for anti-SMPD1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Species	Human
Immunogen	Recombinant Protein
Immunogen	Recombinant protein of human SMPD1
Calculated Molecular Weight	69kDa
Preparation and Storage	Store at -20 degree C (regular) or -80 degree C (long term). Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

IMAGES



IF (Immunofluorescence)
Immunofluorescence analysis of HeLa cells using SMPD1 antibody. Blue: DAPI for nuclear staining.



WB (Western Blot)
Western blot analysis of extracts of various cell lines, using SMPD1 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 90s.

ADDITIONAL INFORMATION

Related Product Information for anti-SMPD1 antibody	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). Multiple transcript variants encoding different isoforms have been identified.
Product Categories/Family for anti-SMPD1 antibody	Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	224471897
NCBI GeneID	6609
UniProt Accession #	P17405; P17406; Q13811; Q16837; Q16841; A8K8M3; E9PKS3
Molecular Weight	629
NCBI Official Full Name	Sphingomyelin phosphodiesterase
NCBI Official Synonym Full Names	sphingomyelin phosphodiesterase 1, acid lysosomal
NCBI Official Symbol	SMPD1
NCBI Official Synonym Symbols	ASM; NPD; ASMASE
NCBI Protein Information	sphingomyelin phosphodiesterase; acid sphingomyelinase
UniProt Protein Name	Sphingomyelin phosphodiesterase
UniProt Gene Name	SMPD1
UniProt Synonym Gene Names	ASM; aSMase
UniProt Entry Name	ASM_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.