

Rabbit anti-Human SMPD3 Polyclonal Antibody | anti-SMPD3 antibody

SMPD3 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA229588	Rabbit	Human	Immunohistochemistry, ELISA

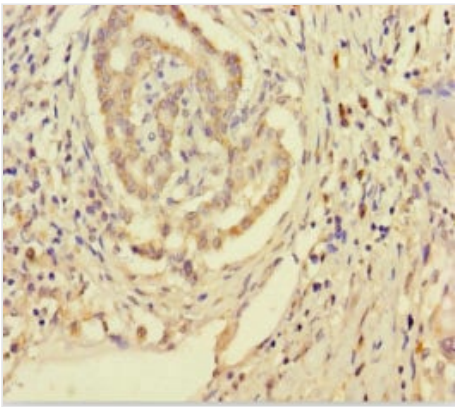
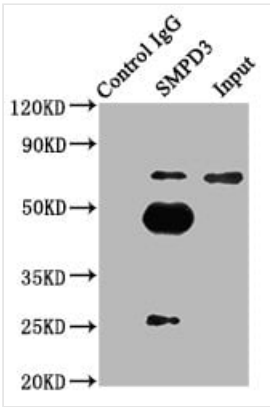
PRODUCT SYNONYMS

SMPD3; Polyclonal Antibody; SMPD3 Antibody; Sphingomyelin phosphodiesterase 3; Neutral sphingomyelinase 2; nSMase-2; nSMase2; Neutral sphingomyelinase II; anti-SMPD3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%,Protein G purified
Form/Format	Liquid
Sequence Length	655
Applicable Applications for anti-SMPD3 antibody	IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant human Sphingomyelin phosphodiesterase 3 protein
Conjugation	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-67692 / sc-67693 / sc-67305
Preparation and Storage	Shipped at 4 degree C. Upon delivery, aliquot and store at -20 degree C or -80 degree C.

IMAGES



IP (Immunoprecipitation)
Immunoprecipitating SMPD3 in mouse brain whole cell lysate. Lane 1: Rabbit control IgG (1ug) instead of AAA229588 in mouse brain whole cell lysate. For western blotting, a HRP-conjugated Protein G antibody was used as the secondary antibody (1/2000). Lane 2: AAA229588 (6ug) + mouse brain whole cell lysate (500ug). Lane 3: Mouse brain whole cell lysate (10ug).

IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded human pancreatic cancer using AAA229588 at dilution 1:100.

ADDITIONAL INFORMATION

Related Product Information for anti-SMPD3 antibody

Catalyzes the hydrolysis of sphingomyelin to form ceramide and phosphocholine. Ceramide mediates numerous cellular functions, such as apoptosis and growth arrest, and is capable of regulating these 2 cellular events independently. Also hydrolyzes sphingosylphosphocholine. Regulates the cell cycle by acting as a growth suppressor in confluent cells. Probably acts as a regulator of postnatal development and participates in bone and dentin mineralization.

NCBI AND UNIPROT INFORMATION

NCBI GI #	8923946
NCBI GeneID	55512
NCBI Accession #	NP_061137.1
NCBI GenBank Nucleotide #	NM_018667.3
UniProt Accession #	Q9NY59; Q2M1S8; B7ZL82
Molecular Weight	70,170 Da
NCBI Official Full Name	sphingomyelin phosphodiesterase 3
NCBI Official Synonym Full Names	sphingomyelin phosphodiesterase 3
NCBI Official Symbol	SMPD3
NCBI Official Synonym Symbols	NSMASE2
NCBI Protein Information	sphingomyelin phosphodiesterase 3
UniProt Protein Name	Sphingomyelin phosphodiesterase 3
UniProt Gene Name	SMPD3
UniProt Synonym Gene Names	nSMase-2; nSMase2
UniProt Entry Name	NSMA2_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.

