

Rabbit SMPD3 Polyclonal Antibody | anti-SMPD3 antibody

SMPD3 antibody - middle region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA199987	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat	Western Blot

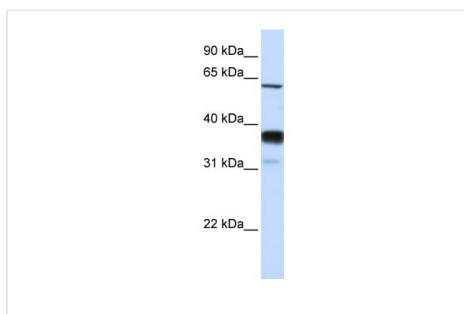
PRODUCT SYNONYMS

SMPD3; Polyclonal Antibody; SMPD3 antibody - middle region; anti-SMPD3 antibody

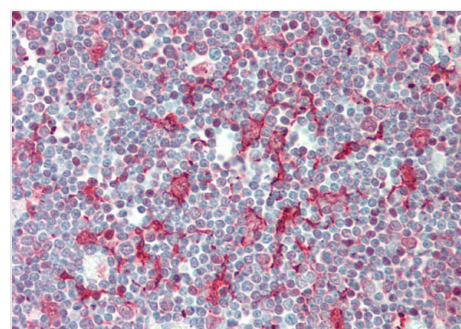
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: RP PEADDPVPGG QARNGAGGGP RGQTPNHNQQ DGDSGSLGSP SASRESLV
Sequence Length	655
Applicable Applications for anti-SMPD3 antibody	WB (Western Blot)
Homology	Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 93%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human SMPD3
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

WB Suggested Anti-SMPD3 Antibody Titration: 0.2-1 ug/ml
ELISA Titer: 1:12500
Positive Control: Human Lung


IHC (Immunohistochemistry)

Rabbit Anti-SMPD3 antibody
Formalin Fixed Paraffin Embedded Tissue: Human Thymus
Primary antibody Concentration: 1:100
Secondary Antibody: Donkey anti-Rabbit-Cy3
Secondary Antibody Concentration: 1:200
Magnification: 20x
Exposure Time: 0.5-2.0sec

ADDITIONAL INFORMATION

Related Product Information for anti-SMPD3 antibody	This is a rabbit polyclonal antibody against SMPD3. It was validated on Western Blot using a cell lysate as a positive control. Target Description: SMPD3 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. SMPD3 regulates the cell cycle by acting as a growth suppressor in confluent cells. It probably acts as a regulator of postnatal development and participates in bone and dentin mineralization.
Product Categories/Family for anti-SMPD3 antibody	Polyclonal; Signal Proteins; Membrane Protein; Drugs and Drug Metabolism; Developmental Biology; Apoptosis; Meiosis/Mitosis/Cell Cycle

NCBI AND UNIPROT INFORMATION

NCBI GI #	8923946
NCBI GeneID	55512
NCBI Accession #	NP_061137
NCBI GenBank Nucleotide #	NM_018667
UniProt Accession #	Q9NY59
Molecular Weight	71kDa
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/smpd3-antibody-western-blot-elisa/199987>