

Rabbit anti-Human SMPD2 Polyclonal Antibody | anti-SMPD2 antibody

SMPD2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA234428	Rabbit	Human	Immunofluorescence, Immunohistochemistry, ELISA

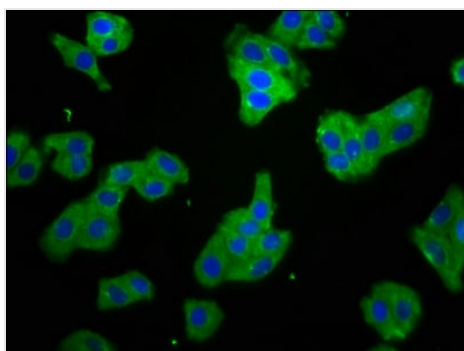
PRODUCT SYNONYMS

SMPD2; Polyclonal Antibody; SMPD2 Antibody; Sphingomyelin phosphodiesterase 2; Lyso-platelet-activating factor-phospholipase C; Lyso-PAF-PLC; Neutral sphingomyelinase; N-SMase; nSMase; anti-SMPD2 antibody

PRODUCT SPECIFICATIONS

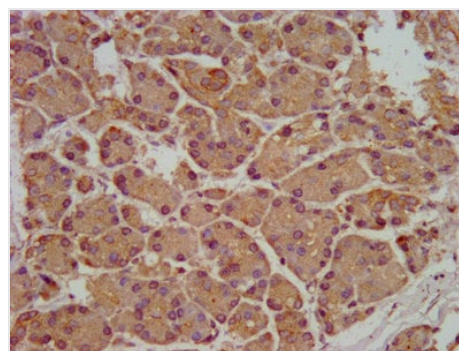
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	423
Applicable Applications for anti-SMPD2 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant Human Sphingomyelin phosphodiesterase 2 protein (199-301AA)
Conjugation	Non-conjugated
Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



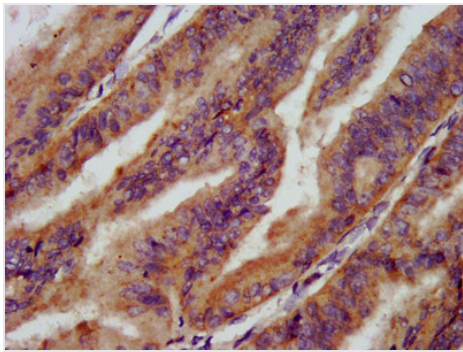
IHC (Immunohistochemistry)

Immunofluorescence staining of HepG2 cells with AAA234428 at 1:66, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4 degree C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).



IHC (Immunohistochemistry)

IHC image of AAA234428 diluted at 1:200 and staining in paraffin-embedded human pancreatic tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



IHC (Immunohistochemistry)

IHC image of AAA234428 diluted at 1:200 and staining in paraffin-embedded human endometrial cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.

ADDITIONAL INFORMATION

Related Product Information for anti-SMPD2 antibody	Converts sphingomyelin to ceramide. Hydrolyze 1-acyl-2-lyso-sn-glycero-3-phosphocholine (lyso-PC) and 1-O-alkyl-2-lyso-sn-glycero-3-phosphocholine (lyso-platelet-activating factor). The physiological substrate seems to be Lyso-PAF.
Product Categories/Family for anti-SMPD2 antibody	Neuroscience

NCBI AND UNIPROT INFORMATION

NCBI GI #	92859618
NCBI GeneID	6610
NCBI Accession #	NP_003071.2
NCBI GenBank Nucleotide #	NM_003080.2
UniProt Accession #	O60906; Q5TED1; Q9BWR3
Molecular Weight	47,646 Da
NCBI Official Full Name	sphingomyelin phosphodiesterase 2
NCBI Official Synonym Full Names	sphingomyelin phosphodiesterase 2
NCBI Official Symbol	SMPD2
NCBI Official Synonym Symbols	ISC1; NSMASE; NSMASE1
NCBI Protein Information	sphingomyelin phosphodiesterase 2
UniProt Protein Name	Sphingomyelin phosphodiesterase 2
UniProt Gene Name	SMPD2
UniProt Synonym Gene Names	Lyso-PAF-PLC; N-SMase; nSMase

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/smpd2-antibody-immunofluorescence-immunohistochemistry-elisa/234428>