

Rabbit anti-Human SGMS2 Polyclonal Antibody | anti-SGMS2 antibody

SGMS2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA118781	Rabbit	Human	Immunofluorescence, Immunohistochemistry, ELISA

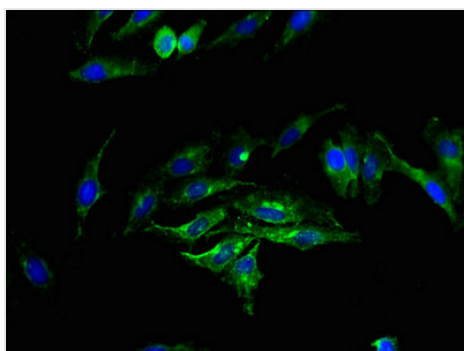
PRODUCT SYNONYMS

SGMS2; Polyclonal Antibody; SGMS2 Antibody; Phosphatidylcholine:ceramide cholinephosphotransferase 2 (EC:2.7.8.27); SMS2; Sphingomyelin synthase 2; anti-SGMS2 antibody

PRODUCT SPECIFICATIONS

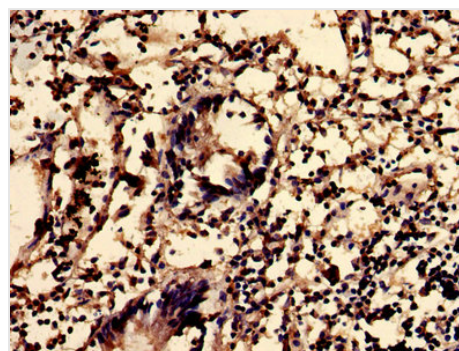
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G Purified
Sequence Length	365
Applicable Applications for anti-SGMS2 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Conjugate	Non-conjugated
Immunogen	Recombinant human Phosphatidylcholine:ceramide cholinephosphotransferase 2 protein
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-34048 / sc-34055 / sc-103883
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



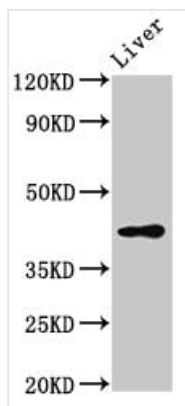
IHC (Immunohistochemistry)

Immunofluorescent analysis of Hela cells using AAA118781 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



IHC (Immunohistochemistry)

IHC image of AAA118781 diluted at 1:600 and staining in paraffin-embedded human appendix tissue performed on a Leica BondTM 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.



WB (Western Blot)

Western Blot Positive WB detected in: Rat liver tissue
 All lanes: SGMS2 antibody at 3ug/ml
 Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution
 Predicted band size: 43 KDa
 Observed band size: 43 KDa

ADDITIONAL INFORMATION

Related Product Information for anti-SGMS2 antibody

Sphingomyelin synthases synthesize the sphingolipid, sphingomyelin, through transfer of the phosphatidyl head group, phosphatidylcholine, on to the primary hydroxyl of ceramide. The reaction is bidirectional depending on the respective levels of the sphingolipid and ceramide. Plasma membrane SMS2 can also convert phosphatidylethanolamine (PE) to ceramide phosphatidylethanolamine (CPE). Major form in liver. Required for cell growth in certain cell types. Regulator of cell surface levels of ceramide, an important mediator of signal transduction and apoptosis. Regulation of sphingomyelin (SM) levels at the cell surface affects insulin sensitivity.

NCBI AND UNIPROT INFORMATION

NCBI GI #	210147407
NCBI GeneID	166929
NCBI Accession #	NP_001129729.1
NCBI GenBank Nucleotide #	NM_001136257.1
UniProt Accession #	Q8NHU3; A8K2S9; B2RA61
Molecular Weight	42,280 Da
NCBI Official Full Name	phosphatidylcholine:ceramide cholinephosphotransferase 2
NCBI Official Synonym Full Names	sphingomyelin synthase 2
NCBI Official Symbol	SGMS2
NCBI Official Synonym Symbols	SMS2
NCBI Protein Information	phosphatidylcholine:ceramide cholinephosphotransferase 2
UniProt Protein Name	Phosphatidylcholine:ceramide cholinephosphotransferase 2
UniProt Gene Name	SGMS2
UniProt Synonym Gene Names	SMS2
UniProt Entry Name	SMS2_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://www.aaabiotech.com/polyclonal/sgms2-antibody-immunofluorescence-immunohistochemistry-elisa/118781>