

Rabbit anti-Human SGMS1 Polyclonal Antibody | anti-SGMS1 antibody

SGMS1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA233789	Rabbit	Human	Immunohistochemistry, Western Blot, ELISA

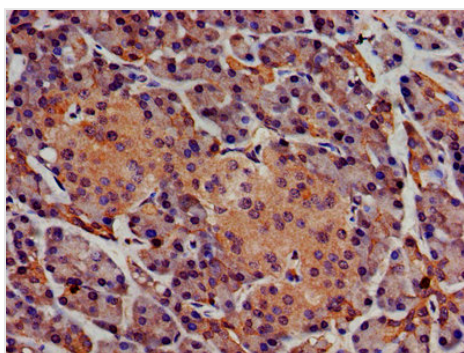
PRODUCT SYNONYMS

SGMS1; Polyclonal Antibody; SGMS1 Antibody; Phosphatidylcholine:ceramide cholinephosphotransferase 1; Medulla oblongata-derived protein; Protein Mob; Sphingomyelin synthase 1; Transmembrane protein 23; MOB; SMS1; TMEM23; anti-SGMS1 antibody

PRODUCT SPECIFICATIONS

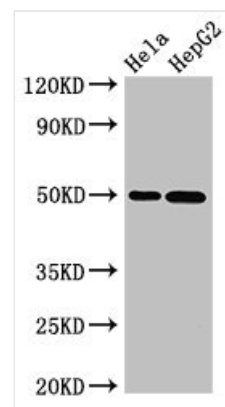
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	413
Applicable Applications for anti-SGMS1 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant Human Phosphatidylcholine:ceramide cholinephosphotransferase 1 protein (48-137AA)
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)

IHC image of AAA233789 diluted at 1:400 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.



WB (Western Blot)

Western Blot Positive WB detected in: HeLa whole cell lysate, HepG2 whole cell lysate
All lanes: SGMS1 antibody at 4ug/ml
Secondary: Goat polyclonal to rabbit IgG at 1/50000 dilution
Predicted band size: 50, 26 KDa
Observed band size: 50 KDa

ADDITIONAL INFORMATION

Related Product Information for anti-SGMS1 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. Golgi apparatus SMS1 directly and specifically recognizes the choline head group on the substrate, requiring two fatty chains on the choline-P donor molecule in order to be recognized efficiently as a substrate. Major form in macrophages. Required for cell growth in certain cell types such as HeLa cells. Suppresses BAX-mediated apoptosis and also prevents cell death in response to stimuli such as hydrogen peroxide, osmotic stress, elevated temperature and exogenously supplied sphingolipids. May protect against cell death by reversing the stress-inducible increase in levels of proapoptotic ceramide.
Product Categories/Family for anti-SGMS1 antibody	Cancer; Metabolism; Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	29789379
NCBI GeneID	259230
NCBI Accession #	NP_671512.1
NCBI GenBank Nucleotide #	NM_147156.3
UniProt Accession #	Q86VZ5; Q68U43; Q6EKK0; Q75SP1
Molecular Weight	25,602 Da
NCBI Official Full Name	phosphatidylcholine:ceramide cholinephosphotransferase 1
UniProt Protein Name	Phosphatidylcholine:ceramide cholinephosphotransferase 1
UniProt Gene Name	SGMS1
UniProt Synonym Gene Names	MOB; SMS1; TMEM23; Protein Mob

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://www.aaabiotech.com/polyclonal/sgms1-antibody-immunohistochemistry-western-blot-elisa/233789>