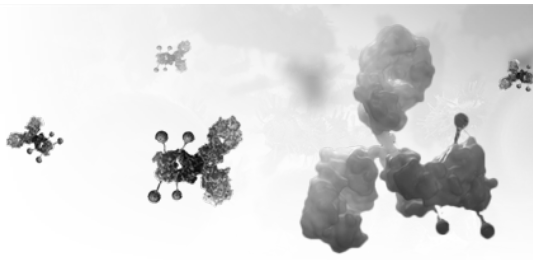

Anti-SGMS2 (aa 2-80) polyclonal antibody (DPAB-DC729)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	Sphingomyelin, a major component of cell and Golgi membranes, is made by the transfer of phosphocholine from phosphatidylcholine onto ceramide, with diacylglycerol as a side product. The protein encoded by this gene is an enzyme that catalyzes this reaction primarily at the cell membrane. The synthesis is reversible, and this enzyme can catalyze the reaction in either direction. The encoded protein is required for cell growth. Three transcript variants encoding the same protein have been found for this gene. There is evidence for more variants, but the full-length nature of their transcripts has not been determined.[provided by RefSeq, Oct 2008]
Immunogen	MGC26963 (NP_689834, 2 a.a. ~ 80 a.a) partial recombinant protein with GST tag. The sequence is DIIETAKLEEHLENQPSDPTNTYARPAEPVEEENKNGNGKPKSLSSGLRKGTKKYPDYIQ IAMPTESRNKFPLEWWKTG
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

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Gene Name	SGMS2 sphingomyelin synthase 2 [Homo sapiens (human)]
Official Symbol	SGMS2
Synonyms	SGMS2; sphingomyelin synthase 2; SMS2; phosphatidylcholine:ceramide cholinephosphotransferase 2; SM synthase;
Entrez Gene ID	166929
Protein Refseq	NP_001129729
UniProt ID	A0A024RDH4
Chromosome Location	4q25
Pathway	Metabolism; Sphingolipid Metabolism; Sphingolipid metabolism; sphingomyelin metabolism
Function	ceramide cholinephosphotransferase activity; kinase activity; sphingomyelin synthase activity;

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