

SGMS1 Polyclonal Antibody

Catalog NumberPA1-12762

Product data sheet

Details		Tested Applications	Dilution *
Size	100 µg	ELISA (ELISA)	Assay-dependent
Host/Isotope	Rabbit / IgG	Western Blot (WB)	5-10 µg/mL
Class	Polyclonal	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Type	Antibody		
Immunogen	Full-length recombinant sphingomyelin synthase 1 fusion protein.		
Conjugate	Unconjugated		
Form	Liquid		
Concentration	1 mg/mL		
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles		

Product specific information

A suggested positive control for this product is brain, heart, kidney, liver, muscle or stomach lysate.

Background/Target Information

A bidirectional lipid cholinephosphotransferases capable of converting phosphatidylcholine (PC) and ceramide to sphingomyelin (SM) and diacylglycerol (DAG) and the inverse reaction. Direction is dependent on the relative concentrations of DAG and ceramide as phosphocholine acceptors. Directly and specifically recognizes the choline head group on the substrate. Also requires two fatty chains on the choline-P donor molecule in order to be recognized efficiently as a substrate. May not function strictly as a SM synthase. Inhibited by bacterial PC-phospholipase C inhibitor D609. Localized to Golgi apparatus; Golgi membrane; multi-pass membrane protein. Possibly present on Brain, heart, kidney, liver, muscle and stomach.

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