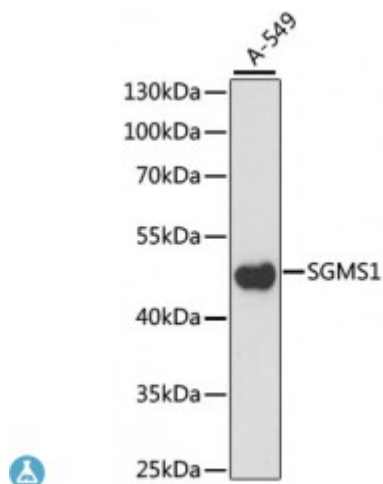


Anti-SGMS1 Antibody



Description

The protein encoded by this gene is predicted to be a five-pass transmembrane protein. This gene may be predominately expressed in brain.

Model	STJ117204
Host	Rabbit
Reactivity	Human
Applications	WB
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-134 of human SGMS1 (NP_671512.1).
Gene ID	259230
Gene Symbol	SGMS1
Dilution range	WB 1:500 - 1:2000
Tissue Specificity	Brain, heart, kidney, liver, muscle and stomach
Purification	Affinity purification
Note	For Research Use Only (RUO).
Protein Name	Phosphatidylcholine:ceramide cholinephosphotransferase 1
Molecular Weight	49.208 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG

Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:29799OMIM:611573Reactome:R-HSA-1660661
Alternative Names	Phosphatidylcholine:ceramide cholinephosphotransferase 1
Function	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,
Cellular Localization	Golgi apparatus membrane