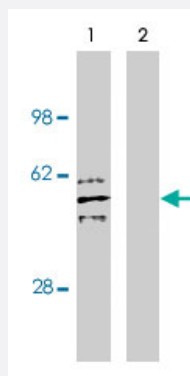


SGMS2 polyclonal antibody

Catalog # PAB10380

Size 100 ug

Applications



Western Blot (Tissue lysate)

Western blot on human brain lysate (10 ug/lane) using SGMS2 polyclonal antibody (Cat # PAB10380) to SGMS2 (0.5 ug/mL).

Lane 1, 1 ug/mL antibody alone.

Lane 2, antibody plus 3 ug blocking peptide.

Specification

Product Description Rabbit polyclonal antibody raised against synthetic peptide of SGMS2.

Immunogen A synthetic peptide corresponding to human SGMS2.

Host Rabbit

Reactivity Human

Form Liquid

Quality Control Testing Antibody Reactive Against Synthetic Peptide.

Recommend Usage Western blot (5 to 10 ug/mL)
The optimal working dilution should be determined by the end user.

Storage Buffer In PBS, pH 7.4

Storage Instruction Store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

Western blot on human brain lysate (10 ug/lane) using SGMS2 polyclonal antibody (Cat # PAB10380) to SGMS2 (0.5 ug/mL).

Lane 1, 1 ug/mL antibody alone.

Lane 2, antibody plus 3 ug blocking peptide.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — SGMS2

Entrez GeneID [166929](#)

Gene Name SGMS2

Gene Alias MGC26963, SMS2

Gene Description sphingomyelin synthase 2

Omim ID [611574](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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

Other Designations OTTHUMP00000162627|OTTHUMP00000162628|SM synthase|phosphatidylcholine:ceramide cholinephosphotransferase 2

Publication Reference

- [Identification of a family of animal sphingomyelin synthases.](#)

Huitema K, van den Dikkenberg J, Brouwers JF, Holthuis JC.

The EMBO Journal 2003 Dec; 23(1):33.

Pathway

- [Metabolic pathways](#)
- [Sphingolipid metabolism](#)

Disease

- [Alcoholism](#)
- [Genetic Predisposition to Disease](#)