Datasheet for ABIN954780

anti-Sphingomyelin Synthase 2 antibody (C-Term)

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3 Images

Overview

Quantity:	0.4 mL
Target:	Sphingomyelin Synthase 2 (SGMS2)
Binding Specificity:	AA 336-365, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Sphingomyelin Synthase 2 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Enzyme Immunoassay (EIA), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide between 336~365 amino acids from the C-terminal region of Human SGMS2 Genename: SGMS2
Isotype:	Ig Fraction
Specificity:	Recognizes GMS2 (C-term).
Purification:	Protein A column followed by peptide Affinity purification

Target Details

Target:	Sphingomyelin Synthase 2 (SGMS2)
Alternative Name:	SGMS2 (SGMS2 Products)

Target Details

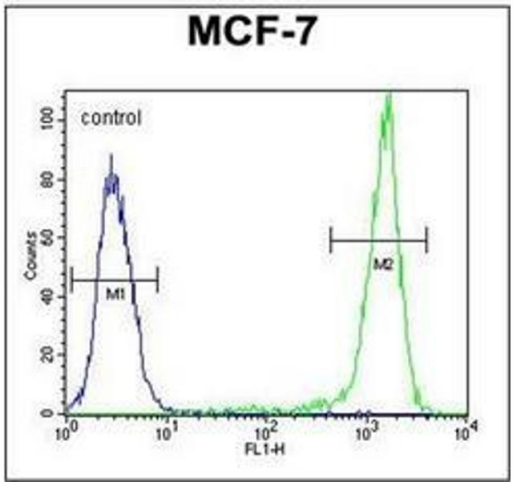
Background:	Sphingomyelin, a major component of cell and Golgi membranes, is made by the transfer of phosphocholine from phosphatidylcholine onto ceramide, with diacylglycerol as a side product. The protein encoded by this gene is an enzyme that catalyzes this reaction primarily at the cell membrane. 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.Synonyms: SMS2, Sphingomyelin synthase 2
Gene ID:	166929
NCBI Accession:	NP_001129729

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

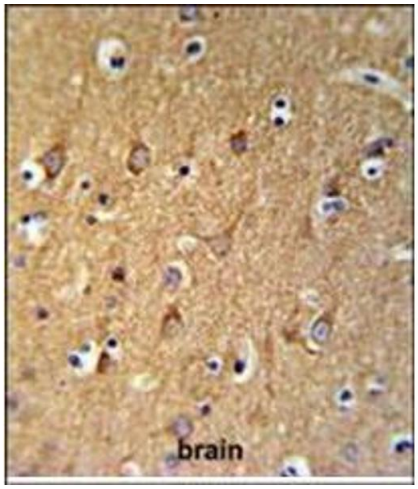
Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS with 0.09 % (W/V) Sodium Azide as preservative
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



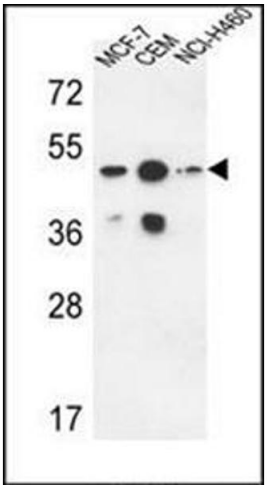
Flow Cytometry

Image 1. Flow Cytometric analysis of MCF-7 cells using SGMS2 Antibody (C-term) Cat.-No AP53890PU-N (Right histogram) compared to a negative control cell (Left histogram). FITC-conjugated Goat-anti-Rabbit secondary antibodies were used for the analysis.



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Immunohistochemistry analysis in Formalin Fixed, Paraffin Embedded Human brain tissue stained with SGMS2 Antibody (C-term) followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the SGMS2 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



Western Blotting

Image 3. Western blot analysis using SGMS2 Antibody (C-term) Cat.-No AP53890PU-N in MCF-7,CEM,Hela cell line lysates (35ug/lane). This demonstrates the SGMS2 antibody detected the SGMS2 protein (arrow).

