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Datasheet for ABIN6991753
anti-SGSM1 antibody (AA 480-530)

Overview

Quantity:	0.1 mg
Target:	SGSM1
Binding Specificity:	AA 480-530
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SGSM1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF)

Product Details

Immunogen:	SGSM1 antibody was raised against a 17 amino acid synthetic peptide near the center of human SGSM1. The immunogen is located within amino acids 480 - 530 of SGSM1.
Isotype:	IgG
Specificity:	At least four isoforms of SGSM1 are known to exist, SGSM1 antibody will detect all four isoforms.
Purification:	SGSM1 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	SGSM1
Alternative Name:	SGSM1 (SGSM1 Products)

Target Details

Background:	SGSM1 Antibody: Small G proteins such as RAP and RAB proteins are the key molecules in intracellular signal transduction and vesicle transportation. A novel protein family small G protein signaling modulator (SGSM) consisting of three members SGSM1-3 bind to RAP and RAB family proteins. All three SGSM proteins possess both a RUN domain and a TBC domain. SGSM1 (RUTBC2) is a 1,148 amino acid protein that localizes to the Golgi apparatus and is mainly expressed in the CNS. SGSM1 interacts with RAP and RAB subfamily members of the small G proteins, and function as modulators of RAP and RAB-mediated neuronal signal transduction and vesicular transportation pathways.
Molecular Weight:	126 kDa
Gene ID:	129049
NCBI Accession:	NP_001035037
UniProt:	Q2NKQ1

Application Details

Application Notes:	SGSM1 antibody can be used for detection of SGSM1 by Western blot at 1 µg/mL. For immunofluorescence start at 20 µg/mL. Antibody validated: Western Blot in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	SGSM1 Antibody is supplied in PBS containing 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,4 °C
Storage Comment:	SGSM1 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should

not be exposed to prolonged high temperatures.