

Anti-SGSM1 Antibody

Catalog Number: A12048

About SGSM1

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.

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Overview

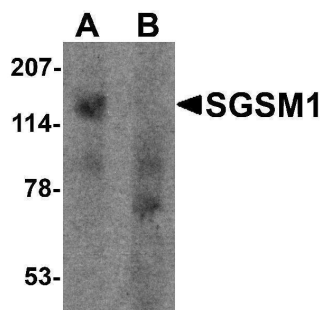
Product Name	Anti-SGSM1 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-SGSM1 Antibody (Catalog # A12048). Tested in ELISA, WB, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, WB
Clonality	Polyclonal
Formulation	SGSM1 Antibody is supplied in PBS containing $\leq 0.09\%$ sodium azide.
Storage Instructions	SGSM1 antibody can be stored at 4°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q2NKQ1

Technical Details

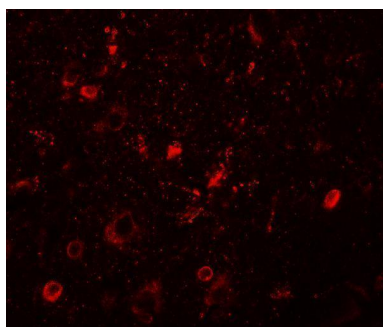
Immunogen	SGSM1 antibody was raised against a 17 amino acid synthetic peptide near the center of human SGSM1. The immunogen is located within amino acids 480 - 530 of SGSM1.
Predicted Reactive Species	Bovine
Cross Reactivity	At least four isoforms of SGSM1 are known to exist; SGSM1 antibody will detect all four isoforms.

Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	SGSM1 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	SGSM1 antibody can be used for detection of SGSM1 by Western blot at 1 ug/mL. For immunofluorescence start at 20 ug/mL. Antibody validated: Western Blot in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

Anti-SGSM1 Antibody (A12048) Images



Western blot analysis of SGSM1 in human cerebellum tissue lysate with SGSM1 antibody at 1 ug/ml in (A) the absence and (B) the presence of blocking peptide.



Immunofluorescence of SGSM1 in human brain tissue with SGSM1 antibody at 20 ug/mL.

Anti-SGSM1 Antibody

For Research Use Only. Not for use in diagnostic procedures.