

Datasheet for 600-401-EH5**SGSM2 Antibody****Overview**

Description:	Anti-SGSM2 (RABBIT) Antibody - 600-401-EH5
Item No.:	600-401-EH5
Size:	100 µg
Applications:	ELISA, IF, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	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. SGSM2 is a Rab9A effector that activates GTP hydrolysis by Rab32 and Rab33B proteins.
Synonyms:	SGSM2 Antibody, RUTBC1, KIAA0397, RUTBC1, Small G protein signaling modulator 2, RUN and TBC1 domain-containing protein 1
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	SGSM2
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-SGSM2 antibody was prepared from whole rabbit serum produced by repeated immunizations with an 18 amino acid synthetic peptide near the internal region of human SGSM2.

Purity/Specificity:	Anti-SGSM2 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Multiple isoforms of SGSM2 are known to exist. SGSM2 antibody is predicted to not cross react with other SGSM family proteins.
Relevant Links:	• UniProtKB - O43147 • GeneID - 9905 • NCBI - NP_055668

Application Details

Tested Applications:	ELISA, IF, WB
Application Note:	Anti-SGSM2 Antibody has been tested for use in ELISA, Western Blotting and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 113 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000
IF:	20 µg/mL
WB:	1 µg/mL

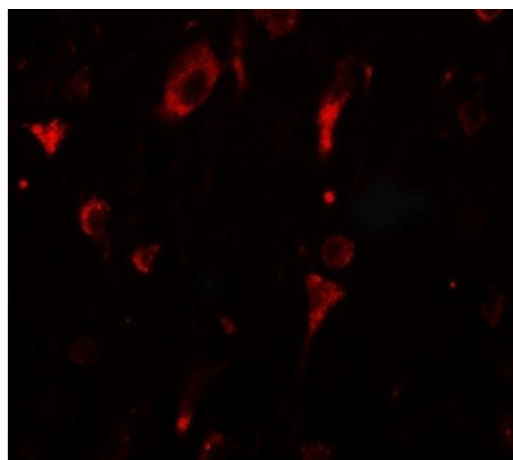
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images

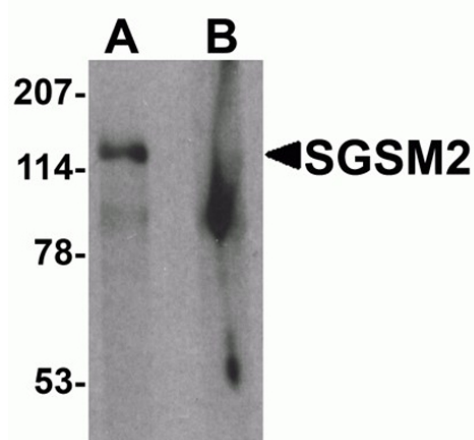


Immunofluorescence Microscopy

Immunofluorescence of SGSM2.

Tissue: human brain tissue.

Primary Antibody: SGSM2 antibody at 20 µg/mL.



Western Blot

Western blot analysis of SGSM2.

Load: human cerebellum tissue lysate.

Primary Antibody: SGSM2 antibody at 1 µg/ml in (A) the absence and (B) the presence of blocking peptide.

Disclaimer

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