

Rabbit SIP1 Polyclonal Antibody | anti-SIP1 antibody

SIP1 Antibody

CATALOG # AAA40284	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence, Immunocytochemistry, Western Blot, ELISA
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PRODUCT SYNONYMS

SIP1; Polyclonal Antibody; SIP1 Antibody; SIP1-delta; Gem-associated protein 2; Component of gems 2; Gemin-2; survival of motor neuron protein interacting protein 1; anti-SIP1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	SIP1 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	280
Applicable Applications for anti-SIP1 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	SIP1 antibody was raised against a 19 amino acid synthetic peptide near the carboxy terminus of human SIP1.
Buffer	SIP1 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	SIP1 antibody can be stored at 4 degree C for three months and -20 degree 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.

IMAGES



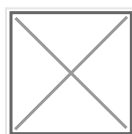
IF (Immunofluorescence)

Immunofluorescence of SIP1 in HeLa cells with SIP1 antibody at 20 μg/mL.



ICC (Immunocytochemistry)

Immunocytochemistry of SIP1 in HeLa cells with SIP1 antibody at 4 μg/mL.



WB (Western Blot)

Western blot analysis of SIP1 in HeLa cell lysate with SIP1 antibody at (A) 0.5 and (B) 1μg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-SIP1 antibody	SIP1 Antibody: SIP1 is one of the proteins found in the SMN complex, which consists of the survival of motor neuron (SMN) protein and several gemin proteins. The SMN complex is localized to a subnuclear compartment called gems (gemini of coiled bodies) and is required for assembly of spliceosomal snRNPs and for pre-mRNA splicing. SIP1 interacts directly with the SMN and it is required for formation of the SMN complex. A knockout mouse targeting the mouse homolog of this gene exhibited disrupted snRNP assembly and motor neuron degeneration. However, knockdown of the SIP1 mRNA in motor neurons showed normal motor axons while that of SMN mRNA did show abnormal motor axon outgrowth, indicating that SIP1 may have additional roles outside of the SMN complex.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	2570925
NCBI GeneID	8487
UniProt Accession #	O14893; Q2M3B3; Q9H4F5; Q9NS77; Q9NS78; Q9NS79; B2R9W8
Molecular Weight	4,826 Da
NCBI Official Full Name	survival of motor neuron protein interacting protein 1
NCBI Official Synonym Full Names	gem (nuclear organelle) associated protein 2
NCBI Official Symbol	GEMIN2
NCBI Official Synonym Symbols	SIP1; SIP1-delta
NCBI Protein Information	gem-associated protein 2; gemin-2; component of gems 2; SMN interacting protein 1-delta; survival of motor neuron protein interacting protein 1
UniProt Protein Name	Gem-associated protein 2
UniProt Gene Name	GEMIN2
UniProt Synonym Gene Names	SIP1; Gemin-2; SMN-interacting protein 1
UniProt Entry Name	GEMI2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.