

SIP1 Antibody

Catalog No: #25143

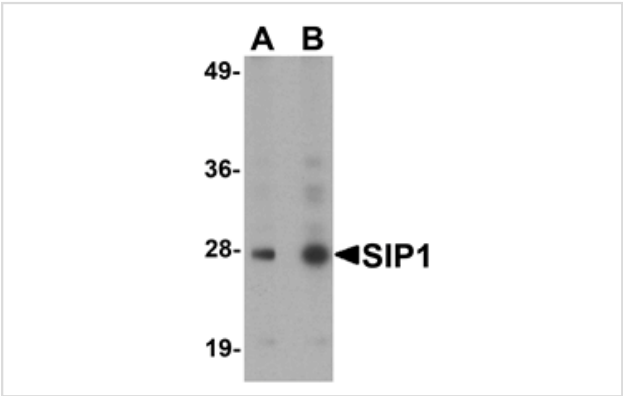


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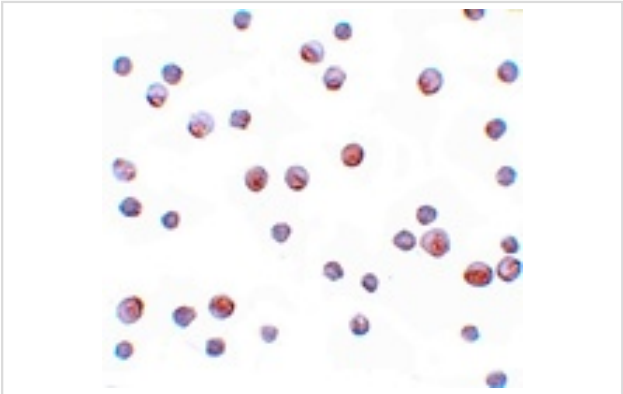
Description

Product Name	SIP1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB ICC
Species Reactivity	Hu Ms Rt
Immunogen Type	Peptide
Immunogen Description	Raised against a 19 amino acid peptide near the carboxy terminus of human SIP1.
Target Name	SIP1
Other Names	Survival of motor neuron protein-interacting protein 1, GEMIN2
Accession No.	Swiss-Prot:O14893Gene ID:8487
Uniprot	O14893
GeneID	8487;
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for 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



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



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

Background

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.

Note: This product is for in vitro research use only