

Datasheet for ABIN783630
anti-SIP1 antibody (C-Term)[Go to Product page](#)

2 Images

Overview

Quantity:	0.1 mg
Target:	SIP1 (GEMIN2)
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SIP1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	19 amino acid peptide near the carboxy terminus of human SIP1
Cross-Reactivity (Details):	Species reactivity (tested): Human, mouse, rat
Purification:	Affinity chromatography purified via peptide column

Target Details

Target:	SIP1 (GEMIN2)
Alternative Name:	SIP1 / GEMIN2 (GEMIN2 Products)
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

Target Details

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. Synonyms: Component of gems 2, GEMIN-2, SMN-interacting protein 1, Survival of motor neuron protein-interacting protein 1

Gene ID: 8487

NCBI Accession: [NP_001009182](#)

UniProt: [O14893](#)

Pathways: [Ribonucleoprotein Complex Subunit Organization](#), [Tube Formation](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Concentration: 1.0 mg/mL

Buffer: PBS containing 0.02 % sodium azide

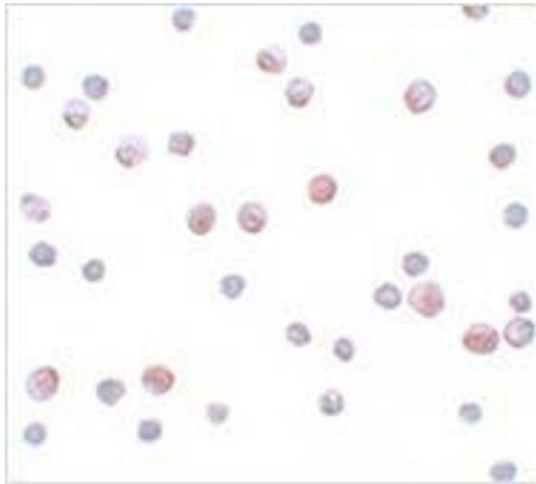
Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

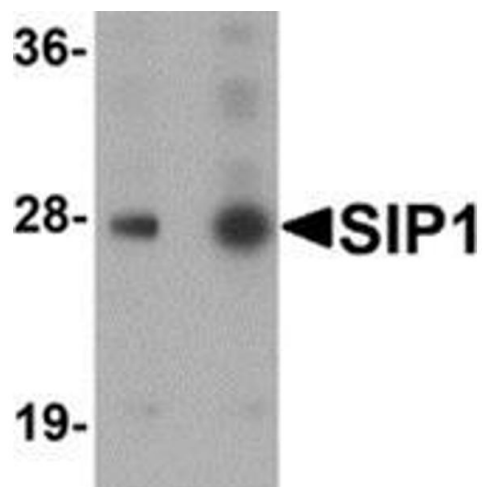
Storage: -20 °C

Storage Comment: Store the antibody (in aliquots) at -20 °C.



Immunofluorescence

Image 1. Immunocytochemistry of SIP1 in HeLa cells with SIP1 antibody at 4 µg/ml.



Western Blotting

Image 2. Western blot analysis of SIP1 in HeLa cell lysate with SIP1 antibody at (A) 0.5 and (B) 1 µg/ml.