

## Product datasheet for **TA319750**

### Gemin 2 (GEMIN2) Rabbit Polyclonal Antibody

#### Product data:

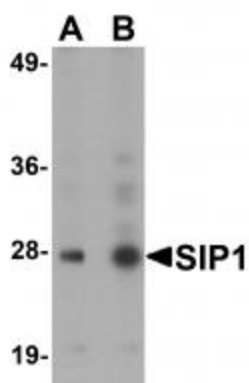
Product Type:	Primary Antibodies
Applications:	IF, WB
Recommended Dilution:	WB: 0.5 - 1 ug/mL, ICC:4 ug/mL, IF: 20 ug/mL
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	SIP1 antibody was raised against a 19 amino acid synthetic peptide near the carboxy terminus of human SIP1.
Formulation:	SIP1 Antibody is supplied in PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	SIP1 Antibody is affinity chromatography purified via peptide column.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	gem nuclear organelle associated protein 2
Database Link:	<a href="#">AAB82297</a> <a href="#">Entrez Gene 8487 Human</a> <a href="#">O14893</a>
Background:	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.



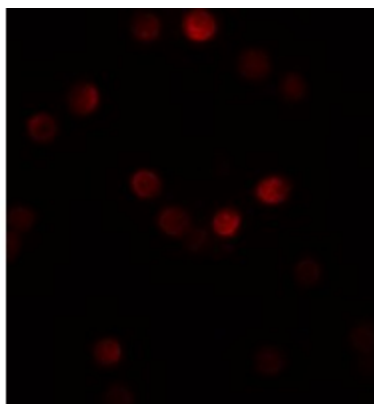
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Synonyms: SIP1; SIP1-delta

### Product images:



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



Immunofluorescence of SIP1 in HeLa cells with SIP1 antibody at 20  $\mu$ g/mL.



Immunocytochemistry of SIP1 in HeLa cells with SIP1 antibody at 4  $\mu$ g/mL.