

SIPA1L2 Antibody

SIPA1L2: Signal-induced proliferation associated-like protein 2, SPAL2

CATALOG No.: 5493

BACKGROUND:

Signal-induced proliferation associated-like protein 2 (SIPA1L2) is a member of the SIPA1 family of RapGAPs (reviewed in 1). Little is known of the role of the SIPA1L2 protein, but recent studies of SIPA indicate that its deregulation can cause myeloproliferative stem cell disorders in mice (2) and increased metastases in human cancers (3). Other studies suggest SIPA1L1 may play important roles in embryo development and control of cell proliferation (4). Based on the amount of homology between SIPA family members, it is likely that SIPA1L2 plays a role in embryo development and cell proliferation, possibly including oncogenesis.

SOURCE:

Rabbit polyclonal SIPA1L2 antibody was raised against a 19 amino acid peptide from near the amino terminus of human SIPA1L2 (GenBank accession no. NP_065859).

STORAGE:

The SIPA1L2 antibody is supplied as immunoaffinity chromatography purified IgG in PBS containing 0.02% sodium azide. Store at 4°C; stable for one year.

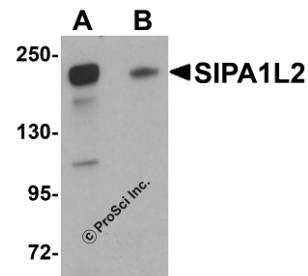
APPLICATION:

SIPA1L2 antibody can be used for detection of SIPA1L2 by Western blot at 0.5 - 1 µg/ml. Rat brain tissue lysate can be used as positive control.

SPECIFICITY:

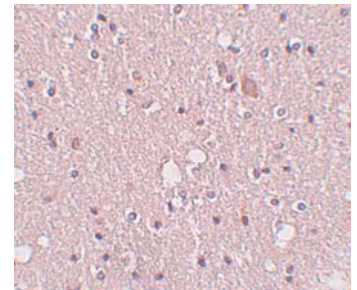
This antibody is specific for SIPA1L2 and will not recognize the other SIPA1 family of proteins. At least two isoforms of SIPA1L2 are known to exist. SIPA1L2 antibody is human, mouse and rat reactive.

For research use only.



Western blot analysis of SIPA1L2 in rat brain tissue lysate with SIPA1L2 antibody at 1 µg/ml in (A) the absence and (B) the presence of blocking peptide.

Immunohistochemistry of SIPA1L2 in human brain tissue with SIPA1L2 antibody at 5 µg/ml.



RELATED PRODUCTS:

Blocking Peptide: Catalog No. **5493P**

Rat Brain Tissue Lysate, Catalog No. **1463**

SIPA1 Antibody, Catalog No. **46-371**

SIPA1L1 Antibody, Catalog No. **5491**

SIPA1L3 Antibody, Catalog No. **5495**

REFERENCES:

1. Minato N and Hattori M. SPA-1 (Sipa1) and Rap signaling in leukemia and cancer metastasis. *Cancer Sci.* 2009; 100:17-23.
2. Ishida D, Kometani K, Yang H, et al. Myeloproliferative stem cell disorders by deregulated Rap1 activation in SPA-1-deficient mice. *Cancer Cell* 2003; 4:55-65.
3. Park YG, Zhao X, Lesueur F, et al. Sipa1 is a candidate for underlying the metastasis efficiency modifier locus, Mtes. *Nat. Genet.* 2005; 37:1055-62.
4. Tsai I-C, Amack JD, Gao Z-H, et al. A Wnt-CKI ϵ -Rap1 pathway regulates gastrulation by modulating SIPA1L2, a Rap GTPase activating protein. *Dev. Cell* 2007; 12:335-47.

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