

Datasheet for 600-401-EL2**SIPA1L2 Antibody****Overview**

Description:	Anti-SIPA1L2 (RABBIT) Antibody - 600-401-EL2
Item No.:	600-401-EL2
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	Signal-induced proliferation associated-like protein 2 (SIPA1L2) is a member of the SIPA1 family of RapGAPs. 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 and increased metastases in human cancers. Other studies suggest SIPA1L1 may play important roles in embryo development and control of cell proliferation. 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.
Synonyms:	SIPA1L2 Antibody, SPAL2, KIAA1389, Signal-induced proliferation-associated 1-like protein 2, SIPA1-like protein 2
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	SIPA1L2
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-SIPA1L2 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 19 amino acid synthetic peptide from near the N-terminus of human SIPA1L2.

Purity/Specificity: Anti-SIPA1L2 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with SIPA1L2 from other sources has not been determined.

Relevant Links:

- [UniProtKB - Q9P2F8](#)
- [GeneID - 57568](#)
- [NCBI - NP_065859](#)

Application Details

Tested Applications: ELISA, IF, IHC, WB

Application Note: Anti-SIPA1L2 Antibody has been tested for use in ELISA, Western Blotting, Immunohistochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 190 kDa in Western Blots of specific cell lysates and tissues.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

ELISA: 1:5,000 - 1:10,000

IF: 20 µg/mL

IHC: 5 µg/mL

WB: 0.5-1 µg/mL

Formulation

Physical State: Liquid (sterile filtered)

Concentration: 1.0 mg/ml by UV absorbance at 280 nm

Buffer: 0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2

Preservative: 0.02% (w/v) Sodium Azide

Stabilizer: None

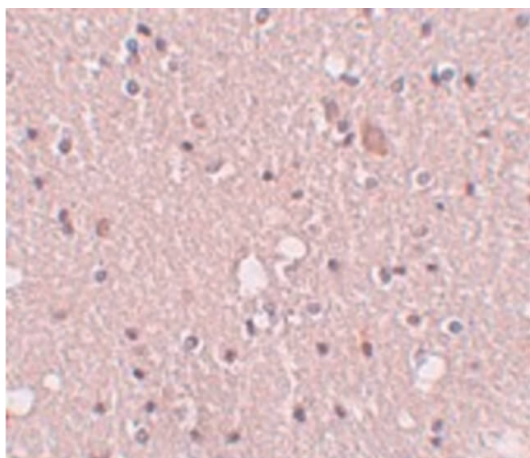
Shipping & Handling

Shipping Condition: Dry Ice

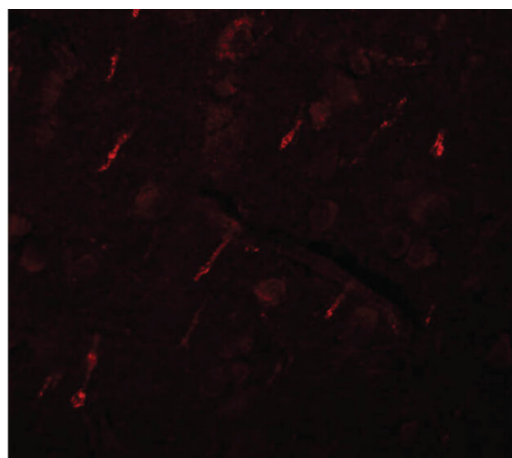
Storage Condition: Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration:

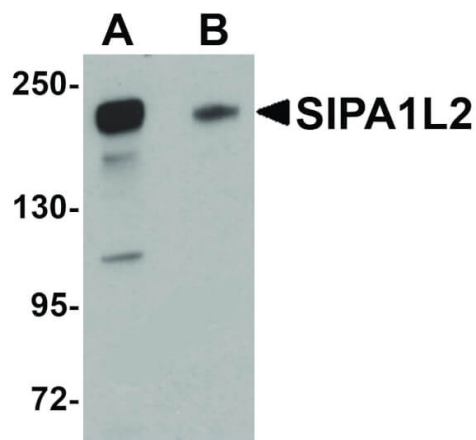
Expiration date is one (1) year from date of receipt.

Images**Immunohistochemistry**

Immunohistochemistry of SIPA1L2 antibody. Tissue: Human brain tissue. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: SIPA1L2 antibody at 5 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: SIPA1L2 is cytoplasmic. Staining: SIPA1L2 as precipitated purple signal with blue nuclear counterstain.

**Immunofluorescence Microscopy**

Immunofluorescence Microscopy of SIPA1L2 antibody. Tissue: Human brain tissue. Fixation: 0.5% PFA. Antigen retrieval: not required. Primary antibody: SIPA1L2 antibody at 20 µg/mL for 1 h at RT. Secondary antibody: Fluorescein rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: SIPA1L2 is cytoplasmic. Staining: SIPA1L2 as red fluorescent signal.



Western Blot

Western Blot of SIPA1L2 antibody. Lane 1: Rat brain tissue lysate in the absence of blocking peptide. Lane 2: Rat brain tissue lysate in the presence of blocking peptide. Primary Antibody: SIPA1L2 antibody at 1 µg/mL. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 190 kDa, 230 kDa for SIPA1L2. Other band(s): SIPA1L2 splice variants and isoforms.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.