

**Datasheet for 600-401-EL3****SIPA1L3 Antibody****Overview**

|                      |                                              |
|----------------------|----------------------------------------------|
| <b>Description:</b>  | Anti-SIPA1L3 (RABBIT) Antibody - 600-401-EL3 |
| <b>Item No.:</b>     | 600-401-EL3                                  |
| <b>Size:</b>         | 100 µg                                       |
| <b>Applications:</b> | ELISA, IF, IHC, WB                           |
| <b>Reactivity:</b>   | Human, Mouse, Rat                            |
| <b>Host Species:</b> | Rabbit                                       |

**Product Details**

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Background:</b>   | Signal-induced proliferation associated-like protein 2 (SIPA1L3) is a member of the SIPA1 family of RapGAPs. SIPA1L3 was cloned as a novel molecular component of tight junctions and adherens junctions, suggesting that may function to balance Rap1 by counteracting RapGEFs. 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 possible that SIPA1L3 plays other roles development and cell proliferation. |
| <b>Synonyms:</b>     | SIPA1L3 Antibody, SPAL3, KIAA0545, SPAL3, Signal-induced proliferation-associated 1-like protein 3, SPA-1-like protein 3, SIPA1-like protein 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Host Species:</b> | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Clonality:</b>    | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Format:</b>       | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

**Target Details**

|                        |                    |
|------------------------|--------------------|
| <b>Gene Name:</b>      | SIPA1L3            |
| <b>Reactivity:</b>     | Human, Mouse, Rat  |
| <b>Immunogen Type:</b> | Conjugated Peptide |

|                            |                                                                                                                                                                                     |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Immunogen:</b>          | Anti-SIPA1L3 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 15 amino acid synthetic peptide from near the N-terminus of human SIPA1L3.     |
| <b>Purity/Specificity:</b> | Anti-SIPA1L3 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with SIPA1L3 from other sources has not been determined. |
| <b>Relevant Links:</b>     | <ul style="list-style-type: none"><li>• <a href="#">UniProtKB - O60292</a></li><li>• <a href="#">GeneID - 23094</a></li><li>• <a href="#">NCBI - NP_055888</a></li></ul>            |

## Application Details

|                             |                                                                                                                                                                                                                                                                                              |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Tested Applications:</b> | ELISA, IF, IHC, WB                                                                                                                                                                                                                                                                           |
| <b>Application Note:</b>    | Anti-SIPA1L3 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 195 kDa in Western Blots of specific cell lysates and tissues. |
| <b>Assay Dilutions:</b>     | All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.                                                                                                                                                                                              |
| <b>ELISA:</b>               | 1:10,000                                                                                                                                                                                                                                                                                     |
| <b>IF:</b>                  | 20 µg/mL                                                                                                                                                                                                                                                                                     |
| <b>IHC:</b>                 | 5 µg/mL                                                                                                                                                                                                                                                                                      |
| <b>WB:</b>                  | 1 µg/mL                                                                                                                                                                                                                                                                                      |

## Formulation

|                        |                                                         |
|------------------------|---------------------------------------------------------|
| <b>Physical State:</b> | Liquid (sterile filtered)                               |
| <b>Concentration:</b>  | 1 mg/mL by UV absorbance at 280 nm                      |
| <b>Buffer:</b>         | 0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2 |
| <b>Preservative:</b>   | 0.02% (w/v) Sodium Azide                                |
| <b>Stabilizer:</b>     | None                                                    |

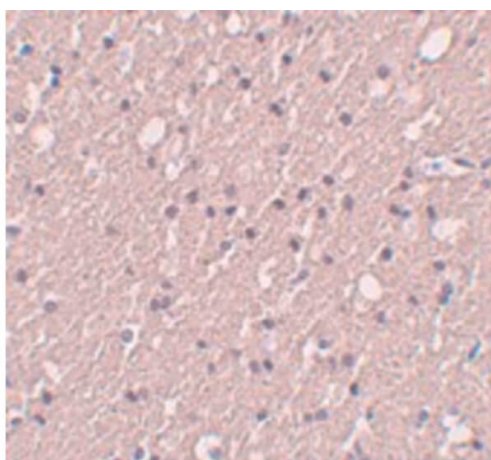
## Shipping & Handling

|                            |         |
|----------------------------|---------|
| <b>Shipping Condition:</b> | 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.

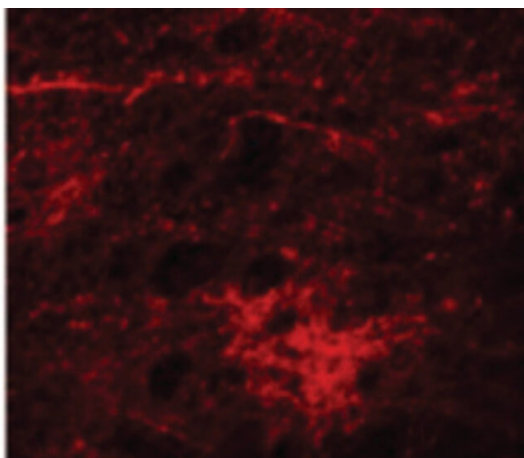
**Expiration:** Expiration date is one (1) year from date of receipt.

## Images



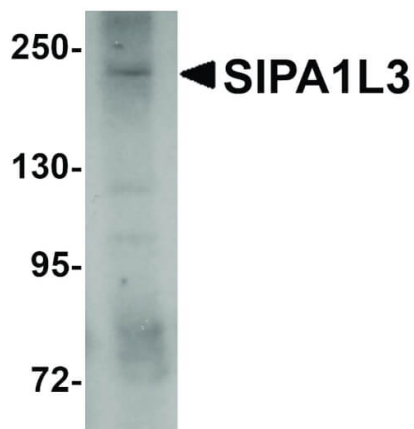
### Immunohistochemistry

Immunohistochemistry of SIPA1L3 antibody. Tissue: Human brain tissue. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: SIPA1L3 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: SIPA1L3 is localized in the extracellular space. Staining: SIPA1L3 as precipitated purple signal with blue nuclear counterstain.



### Immunofluorescence Microscopy

Immunofluorescence Microscopy of SIPA1L3 antibody. Tissue: Human brain cells. Fixation: 0.5% PFA. Antigen retrieval: not required. Primary antibody: SIPA1L3 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: SIPA1L3 is localized in the extracellular space. Staining: SIPA1L3 as red fluorescent signal.

**Western Blot**

Western Blot of SIPA1L3 antibody. Lane 1: SK-N-SH cell lysate. Primary antibody: SIPA1L3 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: 195 kDa, 230 kDa for SIPA1L3. Other band(s): SIPA1L3 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.