

Datasheet for 600-401-EL1**SIPA1L1 Antibody****Overview**

Description:	Anti-SIPA1L1 (RABBIT) Antibody - 600-401-EL1
Item No.:	600-401-EL1
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	Signal-induced proliferation associated-like protein 1 (SIPA1L1) is a member of the SIPA1 family of RapGAPs. SIPA1L1 was initially identified as a binding partner and degradation target of the E6 oncoprotein of high-risk papillomaviruses. Recently, it was discovered that Casein kinase I epsilon (CKIε), a Wnt-regulated kinase that regulates Wnt/b-catenin signaling, also can bind to the carboxy-terminus of SIPA1L1. CKIε phosphorylates SIPA1L1, thereby reducing its stability and alleviating its inhibition of Rap1, a protein required for Wnt8/CKIε-mediated gastrulation during embryogenesis, suggesting SIPA1L1 plays important roles in embryo development as well as control of cell proliferation.
Synonyms:	SIPA1L1 Antibody, E6TP1, E6TP1, KIAA0440, Signal-induced proliferation-associated 1-like protein 1, High-risk human papilloma viruses E6 oncoproteins targeted protein 1, SIPA1-like protein 1
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	SIPA1L1
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide

Immunogen:	Anti-SIPA1L1 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 16 amino acid synthetic peptide from near the N-terminus of human SIPA1L1.
Purity/Specificity:	Anti-SIPA1L1 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with SIPA1L1 from other sources has not been determined.
Relevant Links:	• UniProtKB - O43166 • GeneID - 26037 • NCBI - NP_056371

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-SIPA1L1 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 200 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:	.5-1 µg/mL

Formulation

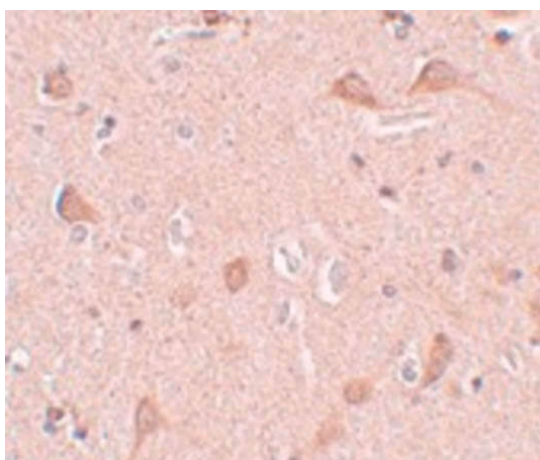
Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice
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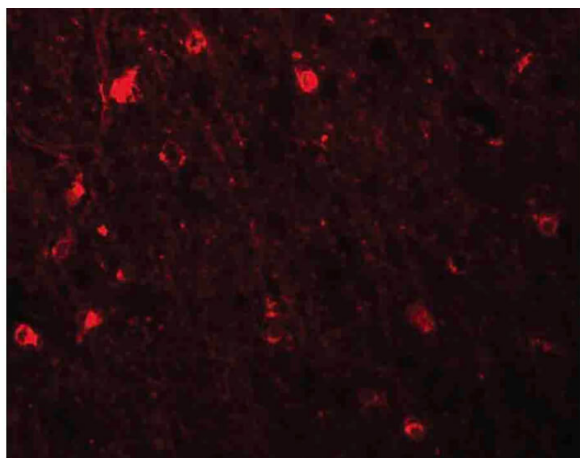
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



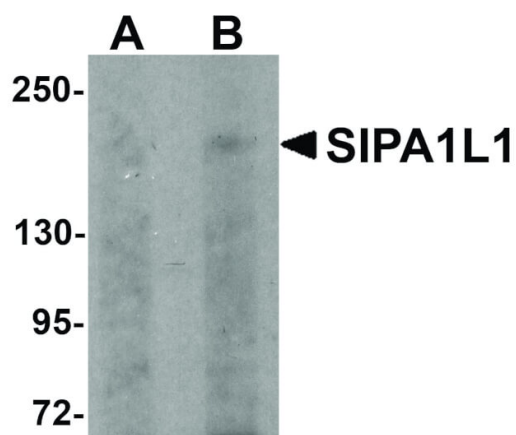
Immunohistochemistry

Immunohistochemistry of SIPA1L1 antibody. Tissue: Human brain tissue. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: SIPA1L1 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: SIPA1L1 is cytoplasmic. Staining: SIPA1L1 as precipitated brown signal with blue nuclear counterstain.



Immunofluorescence Microscopy

Immunofluorescence Microscopy of SIPA1L1 antibody. Tissue: Human brain tissue. Fixation: 0.5% PFA. Antigen retrieval: not required. Primary antibody: SIPA1L1 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: SIPA1L1 is cytoplasmic. Staining: SIPA1L1 as red fluorescent signal.

**Western Blot**

Western Blot of SIPA1L1 antibody. Lane 1: Rat brain tissue lysate with SIPA1L1 antibody at 0.5 μ g/mL. Lane 2: Rat brain tissue lysate with SIPA1L1 antibody at 1 μ g/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: 200 kDa, 200 kDa for SIPA1L1. Other band(s): SIPA1L1 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.