Datasheet for 600-401-EV1

SRPX2 Antibody

Overview

Description:	Anti-SRPX2 (RABBIT) Antibody - 600-401-EV1
Item No.:	600-401-EV1
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	Sushi-repeat-containing protein X-linked 2 (SRPX2) is a neural gene functioning in the speech and language center of the human brain; mutations in this gene lead to epilepsy, speech dyspraxia, mental retardation and cognitive disorders. Recently, SRPX2 was found to be a novel mediator of angiogenesis and can act as a ligand for the urokinase-type plasminogen activator, a protein that can facilitate invasive migration of sprouting endothelial cells. SRPX2 is also overexpressed in gastric cancer, leading to increased phosphorylation levels of focal adhesion kinase and enhanced cellular migration and adhesion, suggesting that SRPX2 may be a potential target in the treatment of metastatic cancers.
Synonyms:	SRPX2 Antibody, BPP, CBPS, PMGX, RESDX, SRPUL, Sushi repeat-containing protein SRPX2, Sushi-repeat protein upregulated in leukemia
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	SRPX2
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide

Immunogen:	Anti-SRPX2 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 SRPX2.
Purity/Specificity:	Anti-SRPX2 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with SRPX2 from other sources has not been determined.
Relevant Links:	• UniProtKB - O60687 • GeneID - 27286 • NCBI - NP_055282.1

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-SRPX2 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 53 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:	1:10,000 - 1:20,000
IF:	20 µg/mL
IHC:	5 µg/mL
WB:	1-2 µg/mL

Formulation

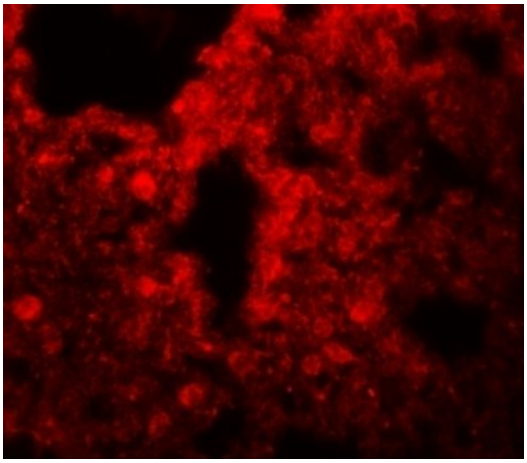
Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

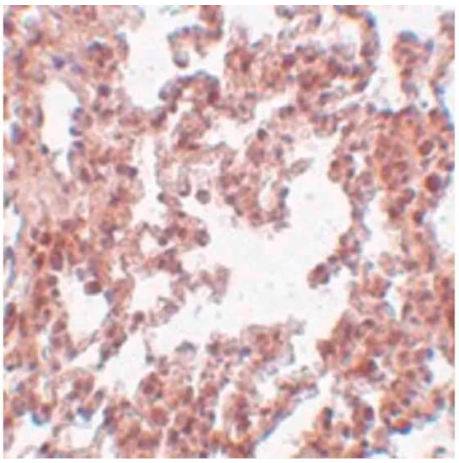
Shipping Condition:	Wet Ice

Storage Condition:	Antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures.
Expiration:	Expiration date is one (1) year from date of receipt.

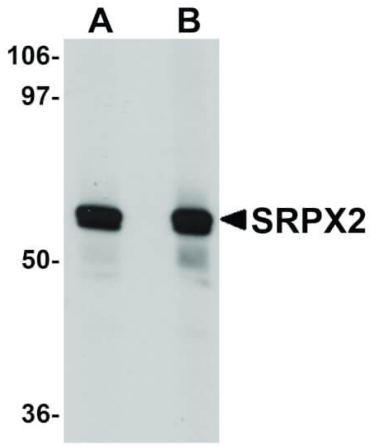
Images



Immunofluorescence Microscopy
Immunofluorescence of SRPX2 in human lung tissue with SRPX2 antibody at 20 µg/mL.



Immunohistochemistry
Immunohistochemistry of SRPX2 antibody. Tissue: Rat lung tissue. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: SRPX2 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: SRPX2 is localized in the endoplasmic reticulum membrane. Staining: SRPX2 as precipitated brown signal with blue nuclear counterstain.



Western Blot

Western Blot of SRPX2 antibody. Lane 1: Human lung tissue lysate with SRPX2 antibody at 1 µg/mL. Lane 2: Human lung tissue lysate with SRPX2 antibody at 2 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: 53 kDa, 53 kDa for SRPX2. Other band(s): SRPX2 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.