Datasheet for 600-401-EV0

SRPX1 Antibody

Overview

Description:	Anti-SRPX1 (RABBIT) Antibody - 600-401-EV0
Item No.:	600-401-EV0
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	SRPX1 was initially identified as a candidate gene for X-linked retinitis pigmentosa and is overexpressed in the trabecular network of the eye in glaucoma conditions. Its expression is significantly downregulated in a number cancer cell lines and malignant tumor tissues and its ectopic expression induces apoptosis through the endoplasmic reticulum and the activation of caspase-12, -9, and -3, indicating that it can function as a tumor suppressor. SRPX1 is also involved with the regulation of autophagy under low serum conditions and can associate with Rab24, a member of the Rab GTPase protein family that is involved in autophagy. This association of SRPX1 with Rab24 is enhanced during autophagy.
Synonyms:	SRPX1 Antibody, DRS, ETX1, SRPX1, HEL-S-83p, Sushi repeat-containing protein SRPX
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	SRPX
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-SRPX1 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 13 amino acid synthetic peptide from near the N-terminus of human SRPX1.

Purity/Specificity:	Anti-SRPX1 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with SRPX1 from other sources has not been determined.
Relevant Links:	• UniProtKB - P78539 • GeneID - 8406 • NCBI - NP_001164221.1

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-SRPX1 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 52 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:	1:2,500
IF:	20 µg/mL
IHC:	5 µg/mL
WB:	.25 µg/mL

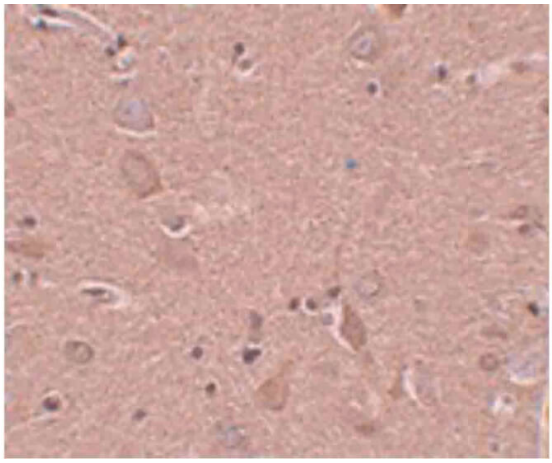
Formulation

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

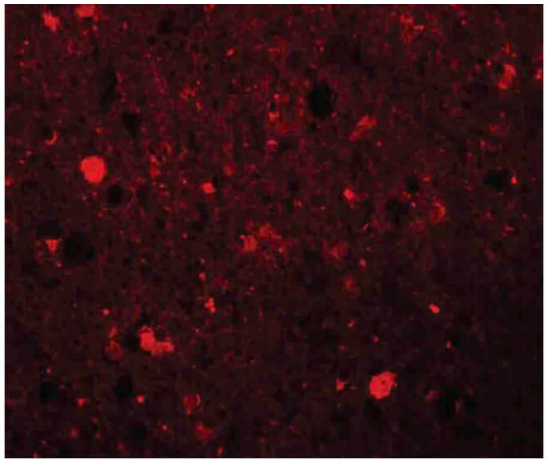
Shipping & Handling

Shipping Condition:	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.

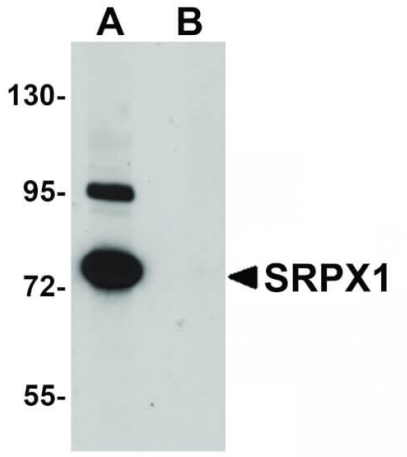
Images



Immunohistochemistry
Immunohistochemistry of SRPX1 antibody. Tissue: Human brain tissue. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: SRPX1 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: SRPX1 is a single pass membrane protein. Staining: SRPX1 as precipitated brown signal with blue nuclear counterstain.



Immunofluorescence Microscopy
Immunofluorescence Microscopy of SRPX1 antibody. Tissue: Human brain tissue. Fixation: 0.5% PFA. Antigen retrieval: not required. Primary antibody: SRPX1 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: SRPX1 is a single pass membrane protein. Staining: SRPX1 as red fluorescent signal.



Western Blot
Western Blot of SRPX1 antibody. Lane 1: SK-N-SH cell lysate in the absence of blocking peptide. Lane 2: SK-N-SH cell lysate in the presence of blocking peptide. Primary Antibody: Anti-SRPX1 antibody at 0.25 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: 52 kDa, 74 kDa for SRPX1. Other band(s): SRPX1 splice variants and isoforms.

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