

SRPX1 Antibody
Catalog # ASC11011**Specification**

SRPX1 Antibody - Product Information

Application	WB, IHC, IF
Primary Accession	P78539
Other Accession	NP_006298 , 5454086
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Application Notes	SRPX1 antibody can be used for detection of SRPX1 by Western blot at 0.25 µg/mL. Antibody can also be used for immunohistochemistry starting at 5 µg/mL. For immunofluorescence start at 20 µg/mL.

SRPX1 Antibody - Additional Information

Gene ID	8406
Target/Specificity	
SRPX;	

Reconstitution & Storage

SRPX1 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Precautions

SRPX1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

SRPX1 Antibody - Protein Information

Name SRPX

Synonyms ETX1

Function

May be involved in phagocytosis during disk shedding, cell adhesion to cells other than the pigment epithelium or signal transduction.

Cellular Location

Cell surface. Note=Possibly surface of photoreceptor cell

Tissue Location

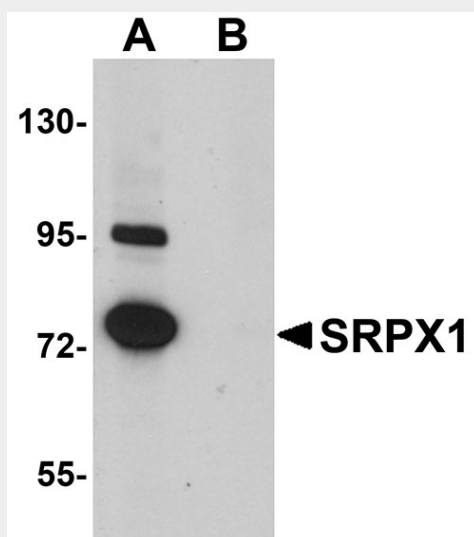
Detected in fibroblasts (at protein level) (PubMed:36213313). Retina and heart; less in placenta, pancreas, lung, liver, skeletal muscle, kidney and brain

SRPX1 Antibody - Protocols

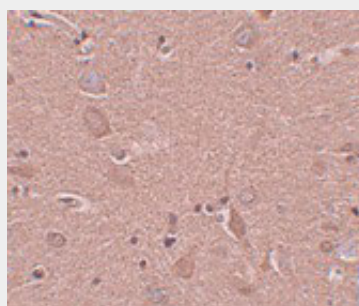
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

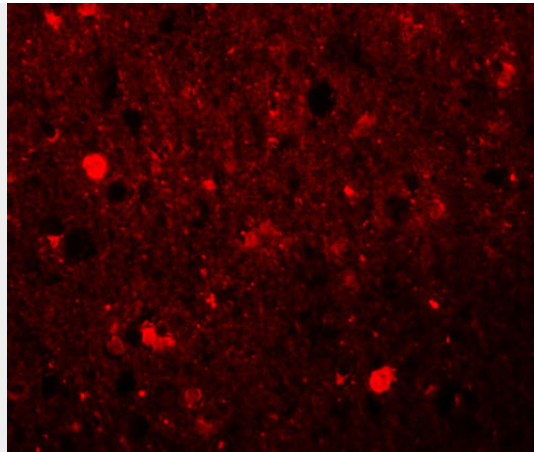
SRPX1 Antibody - Images



Western blot analysis of SRPX1 in SK-N-SH cell lysate with SRPX1 antibody at 0.25 $\mu\text{g/mL}$ in (A) the absence and (B) the presence of blocking peptide.



Immunohistochemistry of SRPX1 in human brain tissue with SRPX1 antibody at 5 $\mu\text{g/mL}$.



Immunofluorescence of SRPX1 in human brain tissue with SRPX1 antibody at 20 µg/mL.

SRPX1 Antibody - Background

SRPX1 Antibody: 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.

SRPX1 Antibody - References

Dry KL, Aldred MA, Edgar AJ, et al. Identification of a novel gene, ETX1 from Xp21.1, a candidate gene for X-linked retinitis pigmentosa (RP3). *Hum. Mol. Genet.*1995; 4:2347-53.
Iragavarapu S, Algeciras ME, Lee RK, et al. ETX1 is over-expressed in the glaucomatous trabecular meshwork. *Mol. Vision*2009; 15:2061-7.
Shimakage M, Kawahara K, Kikkawa N, et al. Downregulation of drs mRNA in human colon adenocarcinomas. *Int. J. Cancer*2000; 87:5-11.
Tambe Y, Isono T, Haraguchi S, et al. A novel apoptotic pathway induced by the drs tumor suppressor gene. *Oncogene*2004; 23:2977-87.