

For Research Use Only

SRPX2 Monoclonal antibody

Catalog Number: 66266-1-Ig

Featured Product

4 Publications



Basic Information

Catalog Number:

66266-1-Ig

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG8084

GenBank Accession Number:

BC020733

GeneID (NCBI):

27286

UNIPROT ID:

O60687

Full Name:

sushi-repeat-containing protein, X-linked 2

Calculated MW:

465 aa, 53 kDa

Observed MW:

53 kDa

Purification Method:

Protein A purification

CloneNo.:

2A1D7

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:200-1:800

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, pig, mouse

Cited Species:

human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : pig lung tissue, A549 cells

IHC : mouse brain tissue,

IF/ICC : A549 cells,

Background Information

SRPX2 (sushi-repeat-containing protein, X-linked 2) is a secreted protein expressed in neurons of the human adult brain, including the rolandic area (PMID: 20874700). Firstly described as sushi-repeat protein up-regulated in leukemia (SPRUL) in leukemia cells with dysregulated expression at the transcriptional level, SRPX2 has been recently shown as a multifunctional protein. SRPX2 is a ligand for uPAR, the urokinase-type plasminogen activator (uPA) receptor (PMID: 18718938). It is involved in seizure disorders, angiogenesis and cellular adhesion (PMID: 22242148; 19667118; 16497722). The involvement of SRPX2 in disorders of language cortex suggests it has an important role in the perisylvian region critical for language and cognitive development (PMID: 16497722).

Notable Publications

Author	Pubmed ID	Journal	Application
Meng Zhang	29881288	Onco Targets Ther	WB, IHC
Mehwish Anwer	29663392	J Comp Neurol	WB, IHC, IF
Di Wang	39333496	Cell Death Dis	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

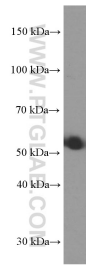
T: 4006900926

E: Proteintech-CN@ptglab.com

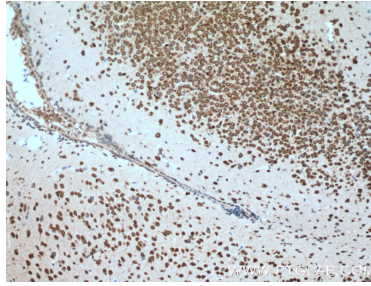
W: ptgcn.com

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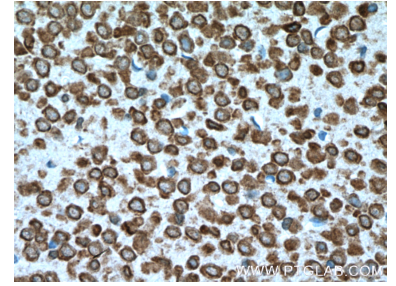
Selected Validation Data



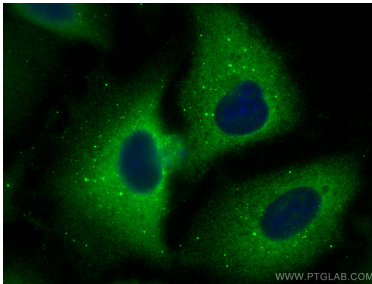
pig lung tissue were subjected to SDS PAGE followed by western blot with 66266-1-Ig (SRPX2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 66266-1-Ig (SRPX2 Antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 66266-1-Ig (SRPX2 Antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed A549 cells using SRPX2 antibody (66266-1-Ig, Clone: 2A1D7) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L).