

For Research Use Only

SRPX2 Monoclonal antibody

Catalog Number: 66266-1-Ig

Featured Product

4 Publications



Basic Information

| | | |
|--|---|--|
| Catalog Number: 66266-1-Ig | GenBank Accession Number: BC020733 | Purification Method: Protein A purification |
| Size: 150ul, Concentration: 2900 ug/ml by Nanodrop and 1500 ug/ml by Bradford method using BSA as the standard; | GeneID (NCBI): 27286 | CloneNo.: 2A1D7 |
| Source: Mouse | UNIPROT ID: O60687 | Recommended Dilutions: WB 1:500-1:2000 IHC 1:200-1:800 IF/ICC 1:200-1:800 |
| Isotype: IgG2b | Full Name: sushi-repeat-containing protein, X-linked 2 | |
| Immunogen Catalog Number: AG8084 | Calculated MW: 465 aa, 53 kDa | |
| | Observed MW: 53 kDa | |

Applications

| | |
|--|---|
| Tested Applications: WB, IHC, IF/ICC, ELISA | Positive Controls: WB : pig lung tissue, A549 cells IHC : mouse brain tissue, IF/ICC : A549 cells, |
| 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 | |

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

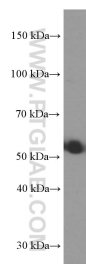
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

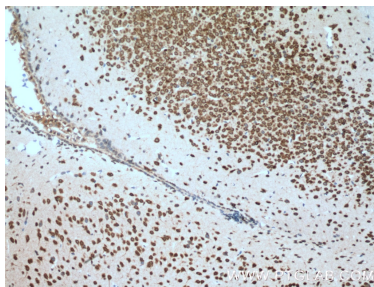
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

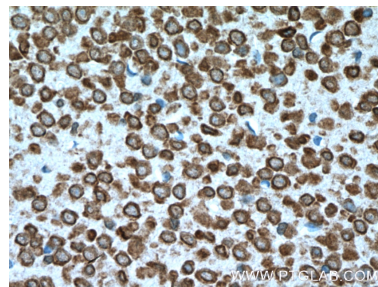
Selected Validation Data



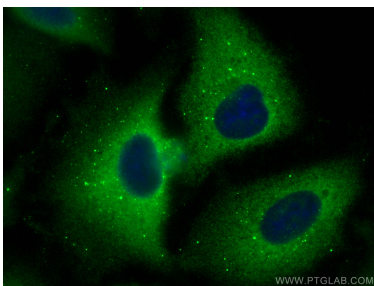
pig lung tissue were subjected to SDS PAGE followed by western blot with 66266-1-Ig (SRPX2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



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).