

For Research Use Only

FAM114A1 Monoclonal antibody

Catalog Number: 67926-1-Ig **1 Publications**



Basic Information

| | | |
|--|---|--|
| Catalog Number: 67926-1-Ig | GenBank Accession Number: BC040452 | Purification Method: Protein A purification |
| Size: 150ul , Concentration: 1000 ug/ml by Nanodrop; | GeneID (NCBI): 92689 | CloneNo.: 1B11D6 |
| Source: Mouse | UNIPROT ID: Q8IWE2 | Recommended Dilutions: WB 1:5000-1:50000 IHC 1:500-1:2000 IF/ICC 1:200-1:800 |
| Isotype: IgG2a | Full Name: family with sequence similarity 114, member A1 | |
| Immunogen Catalog Number: AG17289 | Calculated MW: 563 aa, 61 kDa | |
| | Observed MW: 80 kDa | |

Applications

| | |
|--|---|
| Tested Applications: WB, IHC, IF/ICC, ELISA | Positive Controls: WB : U2OS cells, PC-12 cells, NIH/3T3 cells, A549 cells, HepG2 cells, LNCaP cells, HeLa cells, HSC-T6 cells IHC : mouse brain tissue, IF/ICC : HepG2 cells, |
| Cited Applications: IHC | |
| Species Specificity: Human, rat, mouse | |
| Cited Species: human | |
| 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

FAM114A1, also named as Nervous system overexpressed protein 20, is a 563 amino acid protein, which belongs to the FAM114 family. FAM114A1 localizes in the cytoplasm and may play a role in neuronal cell development. The calculated molecular weight of FAM114A1 is 61 kDa, but the modified FAM114A1 may be 70-80 kDa protein.

Notable Publications

| Author | Pubmed ID | Journal | Application |
|-------------|-----------|-------------|-------------|
| Baoling Liu | 34912698 | Front Oncol | IHC |

Storage

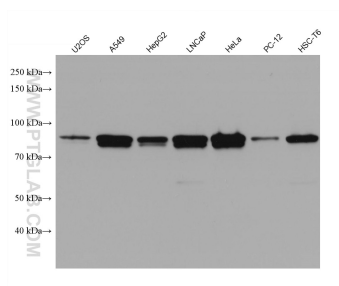
Storage:
Store at -20°C.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

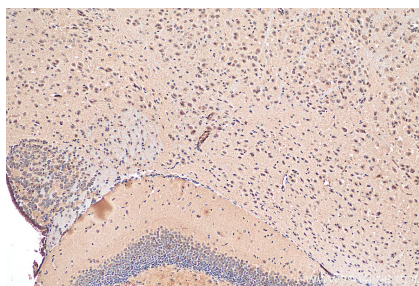
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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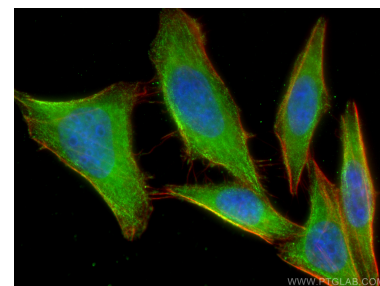
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67926-1-Ig (FAM114A1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 67926-1-Ig (FAM114A1 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using FAM114A1 antibody (67926-1-Ig, Clone: 1B1D6) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).