FAM114A1 Polyclonal antibody

Catalog Number:21638-1-AP

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Basic Information

Catalog Number: 21638-1-AP	**GenBank Accession Number:** BC040452	**Purification Method:** Antigen affinity purification
Size: 800 μg/ml	**GeneID (NCBI):** 92689	**Recommended Dilutions:** WB 1:200-1:1000
Source: Rabbit	**UNIPROT ID:** Q8IWE2	IHC 1:50-1:500 IF/ICC 1:200-1:800
Isotype: IgG	**Full Name:** family with sequence similarity 114, member A1	
Immunogen Catalog Number: AG16287	**Calculated MW:** 563 aa, 61 kDa	
	Observed MW: 80 kDa	

Applications

Tested Applications:
IF/ICC, IHC, WB, ELISA

Species Specificity:
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 : Neuro-2a cells,

IHC : mouse brain tissue,

IF/ICC : HepG2 cells,

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.

Storage

Storage:
Store at -20℃. 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

Selected Validation Data
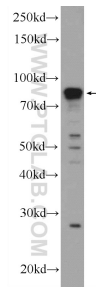
Neuro-2a cells were subjected to SDS PAGE followed by western blot with 21638-1-AP (FAM114A1 Antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.
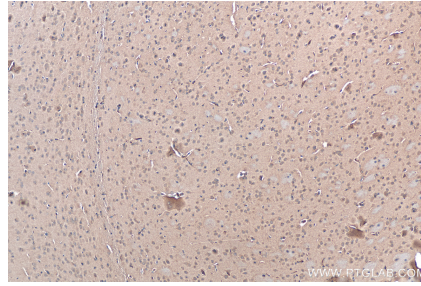
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 21638-1-AP (FAM114A1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).
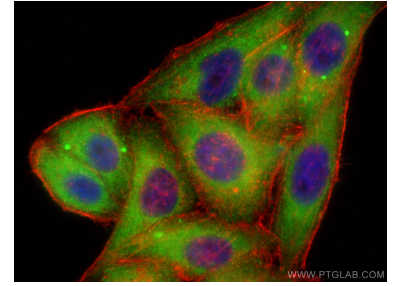
Immunofluorescent analysis of (-20℃ Ethanol) fixed HepG2 cells using FAM114A1 antibody (21638-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-phalloidin (red).