

For Research Use Only

GPM6A Polyclonal antibody

Catalog Number: 15044-1-AP **1 Publications**



Basic Information

Catalog Number: 15044-1-AP	GenBank Accession Number: BC022528	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 300 µg/ml by Nanodrop and 173 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 2823	Recommended Dilutions: WB 1:2000-1:16000 IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
Source: Rabbit	Full Name: glycoprotein M6A	IHC 1:50-1:500
Isotype: IgG	Calculated MW: 31 kDa	
Immunogen Catalog Number: AG6915	Observed MW: 31 kDa	

Applications

Tested Applications: IHC, IP, WB, ELISA	Positive Controls: WB : mouse brain tissue, rat brain tissue
Cited Applications: IF, WB	IP : mouse brain tissue,
Species Specificity: human, mouse, rat	IHC : mouse brain tissue,
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

Glycoprotein M6A (GPM6A, or M6A) is known as a multi-pass transmembrane protein and an abundant cell surface protein on neurons in the central nervous system (CNS). M6A belongs to the myelin proteolipid protein family and is involved in neuronal differentiation, including differentiation and migration of neuronal stem cell. M6A is identified as a retinal membrane protein that is strongly expressed at embryonic stages. In mouse adult retina, M6A plays a role in neuronal plasticity and is involved in neurite and filopodia outgrowth, filopodia motility and probably synapse formation via regulation of MAPK and Src signaling pathways.

Notable Publications

Author	Pubmed ID	Journal	Application
Zong-Rui Li	35918602	Lab Invest	WB,IF

Storage

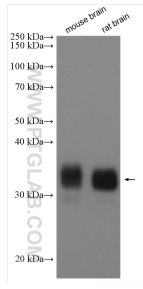
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

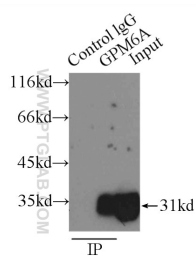
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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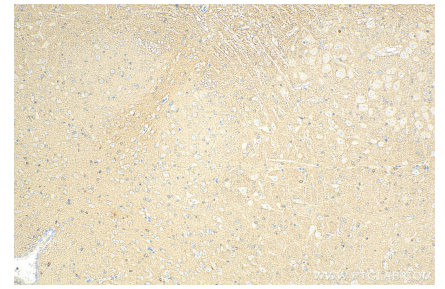
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 15044-1-AP (GPM6A antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



IP Result of anti-GPM6A (IP:15044-1-AP, 3ug; Detection:15044-1-AP 1:800) with mouse brain tissue lysate 6500ug.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 15044-1-AP (GPM6A antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).