

For Research Use Only

GPM6A Recombinant monoclonal antibody

Catalog Number:87139-1-RR



Basic Information

Catalog Number:

87139-1-RR

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG6915

GenBank Accession Number:

BC022528

GeneID (NCBI):

2823

UNIPROT ID:

P51674

Full Name:

glycoprotein M6A

Calculated MW:

31 kDa

Observed MW:

31 kDa

Purification Method:

Protein A purification

CloneNo.:

252427E12

Recommended Dilutions:

WB: 1:5000-1:50000

IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

Applications

Tested Applications:

WB, IP, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : mouse brain tissue, rat brain tissue

IP : mouse brain tissue,

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.

Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

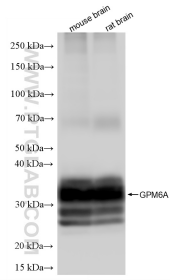
T: 4006900926

E: Proteintech-CN@ptglab.com

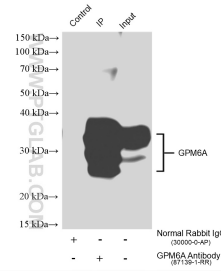
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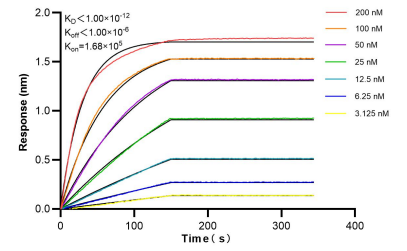
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87139-1-RR (GPM6A antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



IP result of anti-GPM6A (IP:87139-1-RR, 4ug; Detection:87139-1-RR 1:5000) with mouse brain tissue lysate 1680 ug.



Bi-layer interferometry (BLI) kinetic assays of 87139-1-RR against Human GPM6A were performed. The affinity constant is below 1 pM.