GPHN Monoclonal antibody, PBS Only

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Antibodies I ELISA kits I Proteins

Catalog Number:**67995-1-PBS**

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Basic Information

Catalog Number:
67995-1-PBS

Size:
100ug , Concentration: 1 mg/ml by Nanodrop;

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG23708

GenBank Accession Number:
BC030016

GeneID (NCBI):
10243

UNIPROT ID:
Q9NQX3

Full Name:
gephyrin

Calculated MW:
769 aa, 83 kDa

Observed MW:
93 kDa

Purification Method:
Protein G purification

CloneNo.:
1D7C4

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
Human

Background Information

Gephyrin (GPHN) is an organizational protein that clusters and localizes the inhibitory glycine receptor (GlyR) and GABAA receptors to the microtubular matrix of the neuronal postsynaptic membrane. Mice deficient in gephyrin develop a hereditary molybdenum cofactor deficiency and a neurological phenotype that mimics startle disease (hyperekplexia). In non-neuronal tissues, the encoded protein is also required for molybdenum cofactor biosynthesis. Two isoforms produced by alternative splicing have been described. The observed MW of Gephyrin is 93 kDa, larger than the predicated of 83 kDa, which may be due to the modifications on various phosphorylation sites.
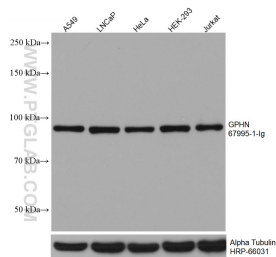
Storage

Storage:
Store at -80℃.
Storage Buffer:
PBS Only

Selected Validation Data

Various lysates were subjected to SDS PAGE followed by western blot with 67995-1-Ig (GPHN antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Alpha Tubulin Monoclonal antibody (HRP-66031) as loading control. This data was developed using the same antibody clone with 67995-1-PBS in a different storage buffer formulation.