
Product Name: KD-Validated Gephyrin Mouse Monoclonal Antibody**Catalog #: KVA00700**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB,FCM
Reactivity	Human,M
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG2a
Clonality	Mouse mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:2,500-1:5,000; FC 1:200-1:2,000
Molecular Weight	Calculated MW: 79.7kDa

Antigen Information

Gene Name	GPHN
Alternative Names	GPHN; Gephyrin; KIAA1385; GPH; GEPH; GPHRYN; MOCODC; HKPX1
Gene ID	10243.0
SwissProt ID	Q9NQX3
Immunogen	Recombinant protein of human GPHN

Background

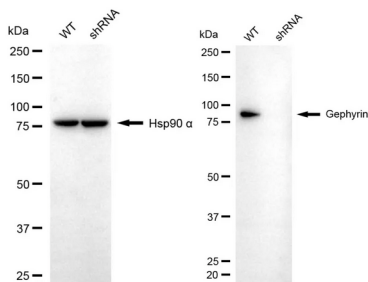
This gene encodes a neuronal assembly protein that anchors inhibitory neurotransmitter receptors to the postsynaptic cytoskeleton via high affinity binding to a receptor subunit domain and tubulin dimers. In nonneuronal tissues, the encoded protein is also required for molybdenum cofactor biosynthesis. Mutations in this gene may be associated with the neurological condition hyperplexia and also lead to molybdenum cofactor deficiency. Numerous alternatively spliced transcript variants

encoding different isoforms have been described; however, the full-length nature of all transcript variants is not currently known. [provided by RefSeq, Jul 2008]

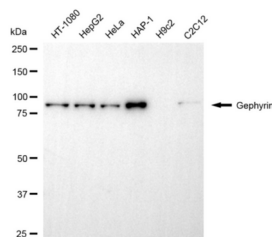
Research Area

Neuroscience

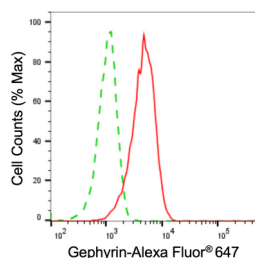
Image Data



Western blotting analysis using gephyrin antibody (KVA00700). Gephyrin expression in wild type (WT) and gephyrin (GPHN) shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with gephyrin antibody (KVA00700, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Western blotting analysis using gephyrin antibody (KVA00700). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with gephyrin antibody (KVA00700, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Flow cytometric analysis of Gephyrin expression in HAP-1 cells using Gephyrin antibody (KVA00700, 1:2,000). Green, isotype control; red, Gephyrin.