

KD-Validated Anti-Gephyrin Mouse Monoclonal Antibody

Mouse monoclonal antibody

Catalog # AGI1901

Product Information

Application	WB, FC
Primary Accession	Q9NQX3
Reactivity	Human, Mouse
Clonality	Monoclonal
Isotype	Mouse IgG2a
Clone Names	24GB5580
Calculated MW	79748
Gene Name	GPHN
Aliases	GPHN; Gephyrin; KIAA1385; GPH; GEPH; GPHRYN; MOCODC; HKPX1
Immunogen	Recombinant protein of human GPHN

Additional Information

Gene ID	10243
Other Names	Gephyrin, Molybdopterin adenylyltransferase, MPT adenylyltransferase, 2.7.7.75, Domain G, Molybdopterin molybdenumtransferase, MPT Mo-transferase, 2.10.1.1, Domain E, GPHN (HGNC:15465), GPH, KIAA1385

Protein Information

Name	GPHN (HGNC:15465)
Synonyms	GPH, KIAA1385
Function	Microtubule-associated protein involved in membrane protein- cytoskeleton interactions. It is thought to anchor the inhibitory glycine receptor (GLYR) to subsynaptic microtubules (By similarity). Acts as a major instructive molecule at inhibitory synapses, where it also clusters GABA type A receptors (PubMed: 25025157 , PubMed: 26613940).
Cellular Location	Postsynaptic cell membrane; Lipid- anchor; Cytoplasmic side. Cell membrane {ECO:0000250 UniProtKB:Q03555}; Lipid-anchor {ECO:0000250 UniProtKB:Q03555}; Cytoplasmic side {ECO:0000250 UniProtKB:Q03555}. Cytoplasm, cytosol. Cytoplasm, cytoskeleton {ECO:0000250 UniProtKB:Q03555}. Cell projection, dendrite. Postsynaptic density {ECO:0000250 UniProtKB:Q8BUV3}. Note=Cytoplasmic face of glycinergic postsynaptic membranes (By similarity). Forms clusters at synapses (PubMed:25025157). {ECO:0000250 UniProtKB:Q03555, ECO:0000269 PubMed:25025157}

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