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Product datasheet for CF502218

Gephyrin (GPHN) Mouse Monoclonal Antibody [Clone ID: OTI1C5]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI1C5
Applications:	IF, WB
Recommended Dilution:	WB 1:2000, IF 1:100
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human GPHN (NP_065857) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	83.3 kDa
Gene Name:	gephyrin
Database Link:	NP_065857 Entrez Gene 64845 RatEntrez Gene 268566 MouseEntrez Gene 10243 Human Q9NQX3

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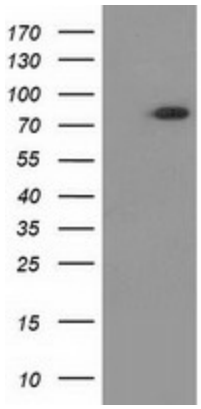
Background: This gene encodes a neuronal assembly protein that anchors inhibitory neurotransmitter receptors to the postsynaptic cytoskeleton via high affinity binding to a receptor subunit domain and tubulin dimers. In nonneuronal tissues, the encoded protein is also required for molybdenum cofactor 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]

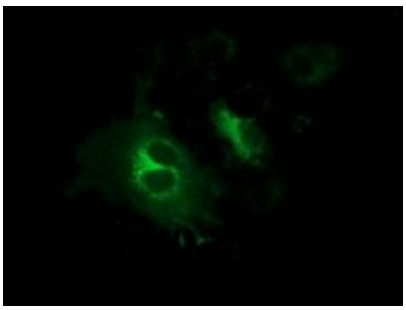
Synonyms: GEPH; GPH; GPHRYN; HKPX1; MOCODC

Protein Families: Druggable Genome

Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY GPHN ([RC205986], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-GPHN. Positive lysates [LY402806] (100ug) and [LC402806] (20ug) can be purchased separately from OriGene.



Anti-GPHN mouse monoclonal antibody ([TA502218]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY GPHN ([RC205986]).

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