

Mouse GPHN Monoclonal Antibody | anti-GPHN antibody

GPHN antibody

CATALOG #	HOST	APPLICATIONS
AAA106355	Mouse	Western Blot, Immunofluorescence, Flow Cytometry, Functional Assay

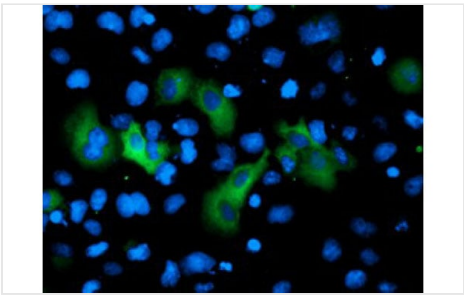
PRODUCT SYNONYMS

GPHN; Monoclonal Antibody; GPHN antibody; Monoclonal GPHN; Anti-GPHN; Gephyrin; GEPH; GPH; GPHRYN; KIAA1385; anti-GPHN antibody

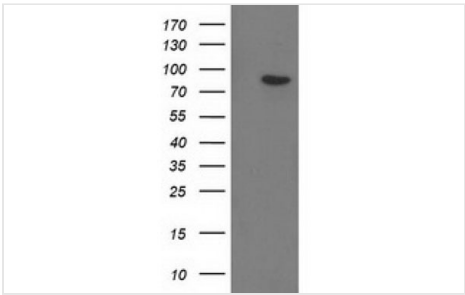
PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	5B6
Purity/Purification	GPHN antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	769
Applicable Applications for anti-GPHN antibody	WB (Western Blot), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Biological Significance	GPHN is 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 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.
Cross-Reactivity	Human
Immunogen	GPHN antibody was raised in mouse using a full length recombinant protein of human GPHN (NP_065857) as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES



IF (Immunofluorescence)
Immunofluorescent staining of COS7 cells transiently transfected with recombinant GFPN protein using GFPN antibody



WB (Western Blot)
Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant GFPN protein (Right) or empty vector (Left) detected with GFPN antibody

ADDITIONAL INFORMATION

Related Product Information for anti-GPHN antibody	Mouse monoclonal GFPN antibody
Product Categories/Family for anti-GPHN antibody	Neuroscience

NCBI AND UNIPROT INFORMATION

NCBI GI #	10880983
NCBI GeneID	10243
NCBI Accession #	NP_065857
NCBI GenBank Nucleotide #	NM_020806.4
UniProt Accession #	Q9NQX3; Q9H4E9; Q9P2G2
Molecular Weight	83,448 Da
NCBI Official Full Name	gephyrin isoform 1
NCBI Official Synonym Full Names	gephyrin
NCBI Official Symbol	GPHN
NCBI Official Synonym Symbols	GPH; GEPH; HKPX1; GPHRYN; MOCODC
NCBI Protein Information	gephyrin
UniProt Protein Name	Gephyrin
UniProt Gene Name	GPHN
UniProt Synonym Gene Names	GPH; KIAA1385; MPT adenylyltransferase; MPT Mo-transferase
UniProt Entry Name	GEPH_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.