

Rabbit anti-Human, Mouse GPHN Polyclonal Antibody | anti-GPHN antibody

GPHN Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327990	Rabbit	Human, Mouse	ELISA, Immunohistochemistry, Western Blot

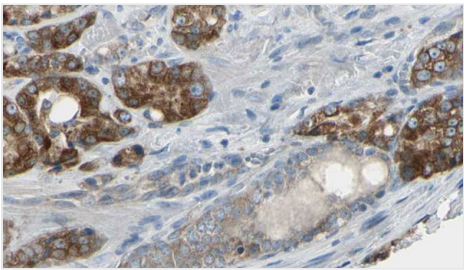
PRODUCT SYNONYMS

GPHN; Polyclonal Antibody; GPHN Antibody; Domain E; Domain G; GEPH; GEPH_HUMAN; GPH; GPHRYN; KIAA1385; Molybdopterin molybdenumtransferase; MPT adenyllyltransferase; MPT Mo-transferase; anti-GPHN antibody

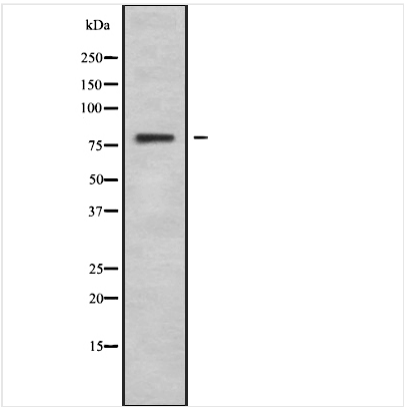
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	GPHN antibody detects endogenous levels of total GPHN
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	736
Applicable Applications for anti-GPHN antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human GPHN
Subcellular Location	Cell Junction > Synapse. Cell Junction > Synapse > Postsynaptic Cell Membrane. Cytoplasm > Cytoskeleton. Cytoplasmic face of glycinergic postsynaptic membranes.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA327990 at 1/100 staining Human prostate tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis GPHN using K562 whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-GPHN antibody	Function: Microtubule-associated protein involved in membrane protein-cytoskeleton interactions. It is thought to anchor the inhibitory glycine receptor (GLYR) to subsynaptic microtubules. Catalyzes two steps in the biosynthesis of the molybdenum cofactor. In the first step, molybdopterin is adenylated. Subsequently, molybdate is inserted into adenylated molybdopterin and AMP is released. Subunit Structure: Homotrimer, homodimer and homooligomer (PubMed:26613940). Interacts with GABARAP (By similarity). Interacts with SRGAP2 (via SH3 domain) (By similarity). Interacts with GABRA3 (PubMed:26613940). Interacts with GLRB (PubMed:26613940, PubMed:12684523). GABRA3 and GLRB occupy overlapping binding sites (By similarity). Similarity: In the N-terminal section; belongs to the MoaB/Mog family. In the C-terminal section; belongs to the MoeA family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	66932975
NCBI GeneID	10243
NCBI Accession #	NP_001019389.1
NCBI GenBank Nucleotide #	NM_001024218.1
UniProt Accession #	Q9NQX3; Q96KU4; Q9H4E9; Q9P2G2
Molecular Weight	Observed: 80 kDa Predicted: 80 kDa
NCBI Official Full Name	gephyrin isoform 2
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	MPT adenyllyltransferase; MPT Mo-transferase

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.

