

Rabbit GPHN Polyclonal Antibody | anti-GPHN antibody

GPHN Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284492	Rabbit	Human, mouse (Predicted Reactivity: Chicken, Rat)	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

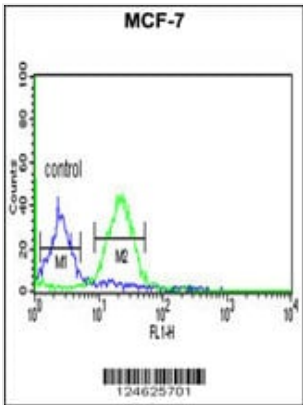
PRODUCT SYNONYMS

GPHN; Polyclonal Antibody; GPHN Antibody (Center); Gephyrin; Molybdopterin adenyllyltransferase; MPT adenyllyltransferase; Domain G; Molybdopterin molybdenumtransferase; MPT Mo-transferase; Domain E; GPH; KIAA1385; anti-GPHN antibody

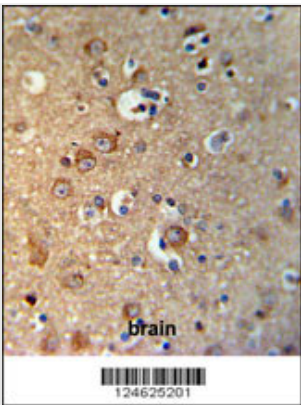
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse (Predicted Reactivity: Chicken, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This GPHN antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 437-466 amino acids from the Central region of human GPHN.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	437-466
Sequence Length	769
Applicable Applications for anti-GPHN antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

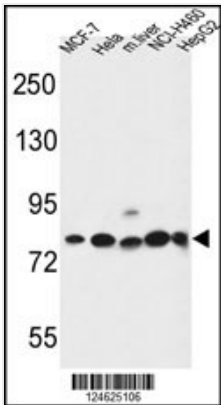
IMAGES



FCM/FACS (Flow Cytometry)
GPHN Antibody (Center) flow cytometric analysis of MCF-7 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)
GPHN Antibody (Center) IHC analysis in formalin fixed and paraffin embedded brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the GPHN Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
GPHN Antibody (Center) western blot analysis in MCF-7,Hela,NCI-H460,HepG2 cell line and mouse liver tissue lysates (35ug/lane).This demonstrates the GPHN antibody detected the GPHN protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-GPHN antibody	GPHN 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.
Product Categories/Family for anti-GPHN antibody	Neuroscience
References	Tabakoff, B., et al. BMC Biol. 7, 70 (2009) Fritschy, J.M., et al. Trends Neurosci. 31(5):257-264(2008) Inada, T., et al. Pharmacogenet. Genomics 18(4):317-323(2008) Sugiyama, N., et al. Mol. Cell Proteomics 6(6):1103-1109(2007) Ehrensperger, M.V., et al. Biophys. J. 92(10):3706-3718(2007) Olsen, J.V., et al. Cell 127(3):635-648(2006)

NCBI AND UNIPROT INFORMATION

NCBI GI #	66932975
NCBI GeneID	10243

NCBI Accession #	NP_001019389.1; NP_065857.1
NCBI GenBank Nucleotide #	NM_001024218.1
UniProt Accession #	Q9NQX3; Q9H4E9; Q9P2G2
Molecular Weight	79748
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	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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://www.aaabiotech.com/polyclonal/gphn-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/284492>