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Datasheet for ABIN653742 anti-Gephyrin antibody (AA 437-466)

3 Images



Overview

Quantity:	400 µL
Target:	Gephyrin (GPHN)
Binding Specificity:	AA 437-466
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Gephyrin antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	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.
Clone:	RB24625
lsotype:	Ig Fraction
Predicted Reactivity:	C, Rat
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

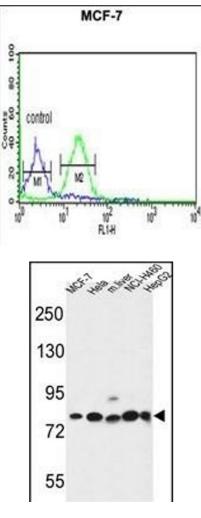
Target:

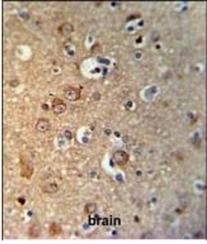
Gephyrin (GPHN)

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Target Details	
Alternative Name:	GPHN (GPHN Products)
Background:	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.
Molecular Weight:	79748
Gene ID:	10243
NCBI Accession:	NP_001019389, NP_065857
UniProt:	Q9NQX3
Pathways:	Synaptic Membrane, Skeletal Muscle Fiber Development
Application Details	
Application Notes:	WB: 1:1000. IHC-P: 1:50~100. FC: 1:10~50
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

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Flow Cytometry

Image 1. GPHN Antibody (Center) (ABIN653742 and ABIN2843044) 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.

Western Blotting

Image 2. GPHN Antibody (Center) (ABIN653742 and ABIN2843044) western blot analysis in MCF-7,Hela,NCI-,HepG2 cell line and mouse liver tissue lysates (35μ g/lane).This demonstrates the GPHN antibody detected the GPHN protein (arrow).

Immunohistochemistry (Paraffin-embedded Sections)

Image 3. GPHN Antibody (Center) (ABIN653742 and ABIN2843044) 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.

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