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Datasheet for ABIN6141324  
**anti-Gephyrin antibody (AA 520-769)**

2 Images

Overview

Quantity:	100 µL
Target:	Gephyrin (GPHN)
Binding Specificity:	AA 520-769
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Gephyrin antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 520-769 of human Gephyrin (NP_065857.1).
Sequence:	TVGVTEVEVN KFPVVAVMST GNELNPEDD LLPGKIRDSN RSTLLATIQE HGYPTINLGI VGDNPDDLLN ALNEGISRAD VIITSGGVSM GEKDYLKQVL DIDLHAQIHF GRVFMKPGLP TTFATLDIDG VRKIIFALPG NPVSAVTCN LFFVPALRKM QGILDPRPTI IKARLSCDVK LDPRPEYHRC ILTWHHQEPL PWAQSTGNQM SSRLLMSMRSA NGLLMLPPKT EQYVELHKGE VVDVMVIGRL
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

## Target Details

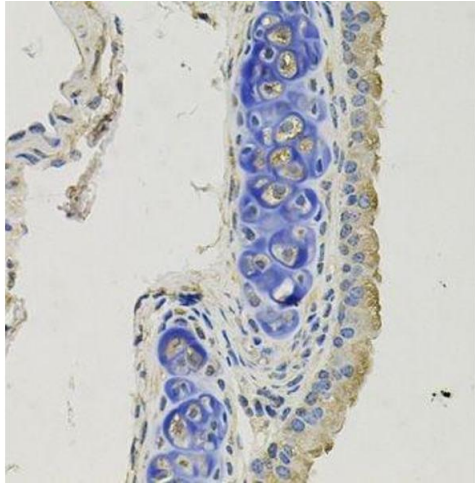
Target:	Gephyrin (GPHN)
Alternative Name:	GPHN ( <a href="#">GPHN Products</a> )
Background:	<p>This gene encodes a neuronal assembly protein that anchors inhibitory neurotransmitter receptors to the postsynaptic cytoskeleton via high affinity binding to a receptor subunit domain and tubulin dimers. 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.,GPHN,GEPH,GPH,GPHRYN,HKPX1,MOCODC,gephyrin,Cell Biology &amp; Developmental Biology,Cell Adhesion,Microtubules,Neuroscience,GPHN</p>
Molecular Weight:	79 kDa/83 kDa
Gene ID:	10243
UniProt:	<a href="#">Q9NQX3</a>
Pathways:	<a href="#">Synaptic Membrane</a> , <a href="#">Skeletal Muscle Fiber Development</a>

## Application Details

Application Notes:	WB,1:500 - 1:2000
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

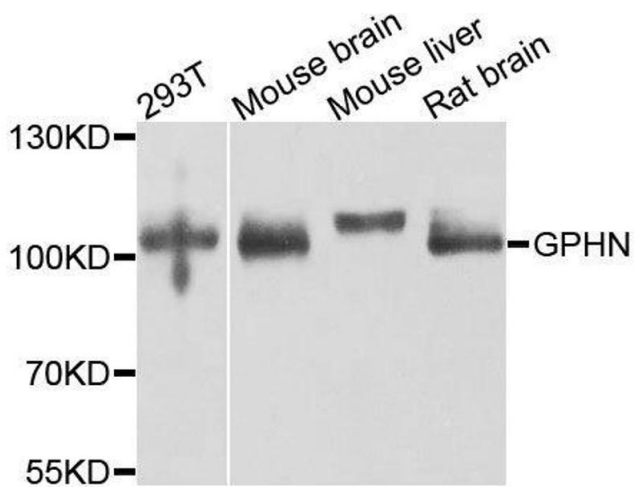
## Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
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:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Immunohistochemistry of paraffin-embedded mouse lung using GPHN antibody.



### Western Blotting

**Image 2.** Western blot analysis of extracts of various cell lines, using GPHN antibody.