

## Product Name: Gephyrin Rabbit Monoclonal Antibody

### Catalog #: AMRe87797

For research use only.

## Summary

<b>Description</b>	Recombinant rabbit monoclonal antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC
<b>Reactivity</b>	Human,Mouse,Rat
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	0.5mg/ml. The concentration of this product may be batch-dependent.
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% protective protein. Stable for 12 months from date of receipt.
<b>Purification</b>	Affinity Purification

## Application

<b>Dilution Ratio</b>	WB 1:1000-1:5000,IHC 1:100-1:200
<b>Molecular Weight</b>	Calculated MW:80 kDa; Observed MW:93 kDa

## Antigen Information

<b>Gene Name</b>	Gephyrin
<b>Alternative Names</b>	GPH; GEPH; HKPX1; GPHRYN; MOCODC
<b>Gene ID</b>	10243
<b>SwissProt ID</b>	Q9NQX3
<b>Immunogen</b>	A synthetic peptide of human Gephyrin

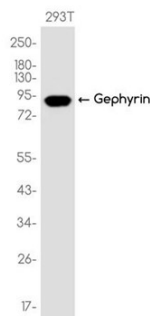
## Background

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

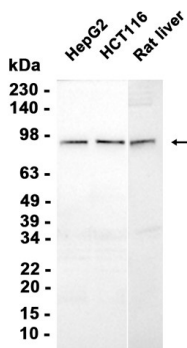
protein is also required for molybdenum cofactor biosynthesis. Mutations in this gene may be associated with the neurological condition hyperplexia and also lead to molybdenum cofactor deficiency. Numerous alternatively spliced transcript variants encoding different isoforms have been described; however, the full-length nature of all transcript variants is not currently known. [provided by RefSeq, Jul 2008]

## Research Area

## Image Data



Western blot analysis of extracts from 293T cells using Gephyrin Rabbit Monoclonal Antibody at 1:1000.



Western blot analysis of extracts from HepG2, HCT116 cells and Rat liver tissue using AMRe87797 at 1:1000.