

## Anti-Gephyrin Polyclonal Antibody

## Product Details

Ig Type:	IgG
Reactivity:	Mouse (predicted:Human,Rat,Dog,Pig,Cow,Horse,Rabbit)
Molecular Weight:	Theoretical: 83 kDa. Actual: 83 kDa.
Purification:	Protein A purified

## Applications

Verified Activity:	Sample: Lung (Mouse) Lysate at 40 µg Primary: Anti-Gephyrin (TMAB-06438) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 83 kD Observed band size: 83 kD
Application:	WB
Recommended	WB: 1:500-2000

## Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human Gephyrin
Antigen Species:	Human
Gene ID:	10243
Uniprot ID:	Q9NQX3

## Research Background

The sub-membraneous region at the postsynaptic membrane contains a number of proteins critical for receptor targeting. Gephyrin is a microtubule-associated protein highly expressed in brain and localized to neuronal postsynaptic membranes. Gephyrin is essential for the postsynaptic localization of the inhibitory glycine receptor and is thought to anchor the receptor to subsynaptic microtubules. The protein is expressed in most mammalian tissues with predominant expression in brain. At least five additional splice variants of Gephyrin ranging in molecular weight have been identified in rat and human brain tissue.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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