

Datasheet for ABIN630781  
**anti-Gephyrin antibody (N-Term)**



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1 Image

## Overview

Quantity:	100 µL
Target:	Gephyrin (GPHN)
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Gephyrin antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	Gephyrin antibody was raised using the N terminal of GPHN corresponding to a region with amino acids HDELEDLPSPPPPLSPPPTTSPHKQTEDKGVQCEEEEEKKGDSGVASTED
Specificity:	Gephyrin antibody was raised against the N terminal of GPHN
Purification:	Affinity purified

## Target Details

Target:	Gephyrin (GPHN)
Alternative Name:	Gephyrin ( <a href="#">GPHN Products</a> )
Background:	GPHN is 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 protein is also required for molybdenum cofactor

## Target Details

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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.

Molecular Weight: 80 kDa (MW of target protein)

Pathways: [Synaptic Membrane](#), [Skeletal Muscle Fiber Development](#)

## Application Details

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Application Notes: WB: 1 µg/mL  
Optimal conditions should be determined by the investigator.

Comment: Gephyrin Blocking Peptide, catalog no. 33R-3708, is also available for use as a blocking control in assays to test for specificity of this Gephyrin antibody

Restrictions: For Research Use only

## Handling

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Format: Lyophilized

Reconstitution: Lyophilized powder. Add distilled water for a 1 mg/mL concentration of GPHN antibody in PBS

Concentration: Lot specific

Buffer: PBS

Handling Advice: Avoid repeated freeze/thaw cycles.  
Dilute only prior to immediate use.

Storage: 4 °C/-20 °C

Storage Comment: Store at 2-8 °C for short periods. For longer periods of storage, store at -20 °C.



### Western Blotting

**Image 1.** Gephyrin antibody used at 1 ug/ml to detect target protein.