

## Gephyrin Rabbit mAb

Catalog No: #49879

Package Size: #49879-1 50ul #49879-2 100ul

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

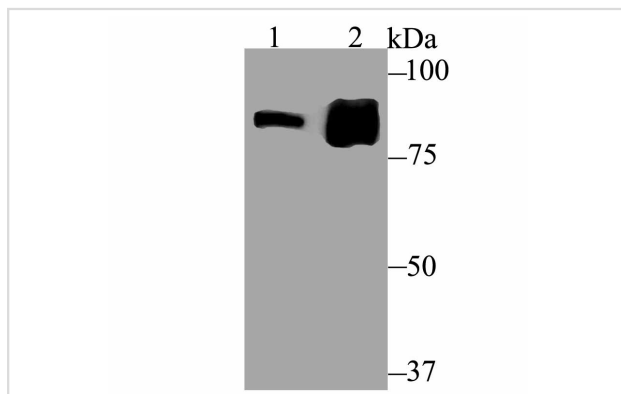
## Description

Product Name	Gephyrin Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JG34-47
Purification	ProA affinity purified
Applications	WB,IHC
Species Reactivity	Hu, Ms, Rt
Other Names	Domain E antibody    Domain G antibody    GEPH antibody    GEPH_HUMAN antibody    GPH antibody GPHN antibody    GPHRYN antibody    KIAA1385 antibody    Molybdopterin molybdenumtransferase antibody    MPT adenyltransferase antibody    MPT Mo-transferase antibody
Accession No.	Swiss-Prot#:Q9NQX3
Uniprot	Q9NQX3
GeneID	10243;
Calculated MW	80 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

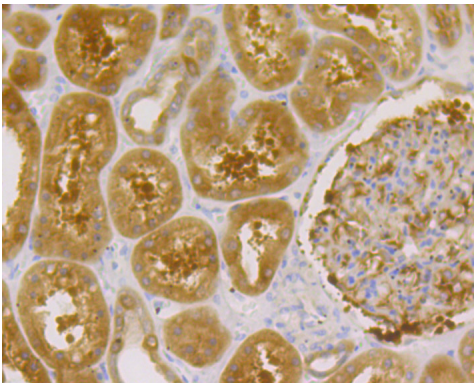
## Application Details

WB: 1:500-1:2,000 IHC: 1:50-1:200

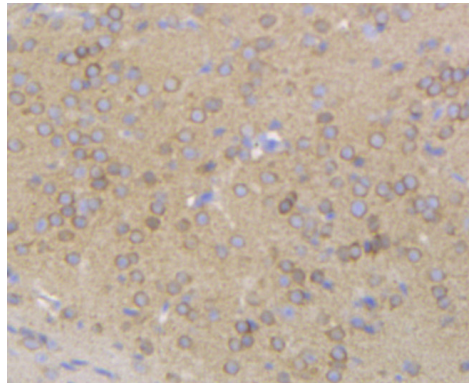
## Images



Western blot analysis of Gephyrin on SK-Br-3 cell (1) and rat kidney tissue (2) lysate using anti-Gephyrin antibody at 1/500 dilution.



Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-Gephyrin antibody. Counter stained with hematoxylin. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6) for 20 mins.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-Gephyrin antibody. Counter stained with hematoxylin. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6) for 20 mins.

## 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.

## References

Note: This product is for in vitro research use only