Gephyrin Conjugated Antibody

Catalog No: #C49879

Package Size: #C49879-AF350 100ul #C49879-AF405 100ul #C49879-AF488 100ul #C49879-AF555 100ul #C49879-AF594 100ul #C49879-AF647 100ul #C49879-AF680 100ul #C49879-AF750 100ul #C49879-Biotin 100ul

Orders: order@signalwayantibody.com
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Description

Product Name	Gephyrin Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu, Ms, Rt
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
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 adenylyltransferase antibody MPT Mo-transferase antibody
Accession No.	Swiss-Prot#:Q9NQX3
Uniprot	Q9NQX3
GeneID	10243;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	80 kDa
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

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.

Note: This product is for in vitro research use only