Myelin Basic Protein Conjugated Antibody

Catalog No: #C49329

Package Size: #C49329-AF350 100ul #C49329-AF405 100ul #C49329-AF488 100ul #C49329-AF555 100ul #C49329-AF594 100ul #C49329-AF647 100ul #C49329-AF680 100ul #C49329-AF750 100ul #C49329-Biotin 100ul

Orders: order@signalwayantibody.com
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Description

Product Name	Myelin Basic Protein Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu
Immunogen Description	recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	GDB antibody Golli MBP antibody Golli MBP; myelin basic protein antibody Hemopoietic MBP antibody HMBPR antibody HUGO antibody MBP antibody MBP_CAVPO antibody MBP_HUMAN antibody MGC99675 antibody MLD antibody Myelin A1 protein antibody Myelin A1 Protein, basic antibody Myelin basic protein antibody Myelin Deficient antibody Myelin membrane encephalitogenic protein antibody OTTHUMP00000163776 antibody OTTHUMP00000174387 antibody OTTHUMP00000174388 antibody SHI antibody Shiverer antibody SP antibody
Accession No.	Swiss-Prot#:P02686
Uniprot	P02686
GeneID	4155;
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	33/21/19 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

Myelin basic protein (MBP) is the major extrinsic membrane protein of central nervous system myelin. MBP phosphorylation at Threonine 125 is a complex regulatory process that modulates the contribution of MBP to the stability of the myelin sheath. Mitogen-activated protein kinases modulate MBP phosphorylation during myelinogenesis and in the demyelinating disease multiple sclerosis. MBP phosphorylation is regulated by high-frequency stimulation but not low-frequency stimulation of the alveus, the myelinated output fibers of the hippocampus. It is proposed that during periods of increased neuronal activity, calcium activates axonal nitric oxide synthase, which generates the intercellular messengers nitric oxide and superoxide and regulates the phosphorylation state of MBP by MAPK.

Note: This product is for in vitro research use only