

Myelin Basic Protein Rabbit mAb

Catalog No: #52441

Package Size: #52441-1 50ul #52441-2 100ul

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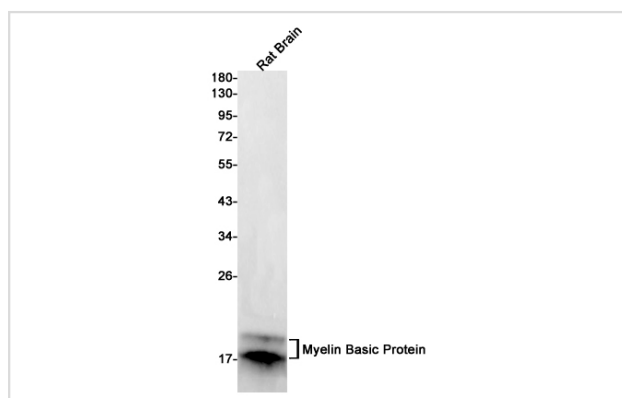
Description

Product Name	Myelin Basic Protein Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	S07-416
Isotype	Rabbit IgG
Purification	Affinity Purified
Applications	WB
Species Reactivity	Human
Immunogen Description	Recombinant protein of human Myelin Basic Protein
Conjugates	Unconjugated
Modification	Unmodification
Other Names	Myelin membrane encephalitogenic protein;Myelin A1 protein
Accession No.	Swiss-Prot:P02686GeneID:4155
Uniprot	P02686
GeneID	4155
Calculated MW	Calculated MW: 33 kDa; Observed MW: 18 kDa
Concentration	0.3 mg/ml
Formulation	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Application Details

WB: 1/2000-1/10000

Images



Western blot detection of Myelin Basic Protein in Rat Brain lysates using Myelin Basic Protein Rabbit mAb(1:1000 diluted).Predicted band size:33kDa.Observed band size:18kDa.

Background

Swiss-Prot Acc.P02686. The classic group of MBP isoforms (isoform 4-isoform 14) are with PLP the most abundant protein components of the myelin membrane in the CNS. They have a role in both its formation and stabilization. The smaller isoforms might have an important role in remyelination of denuded axons in multiple sclerosis. The non-classic group of MBP isoforms (isoform 1-isoform 3/Golli-MBPs) may preferentially have a role in the early developing brain long before myelination, maybe as components of transcriptional complexes, and may also be involved in signaling pathways in T-cells and neural cells. Differential splicing events combined with optional post-translational modifications give a wide spectrum of isomers, with each of them potentially having a specialized function. Induces T-cell proliferation.

Note: This product is for in vitro research use only