

Myelin Basic Protein Rabbit mAb

Catalog No: #52442



Package Size: #52442-1 50ul #52442-2 100ul

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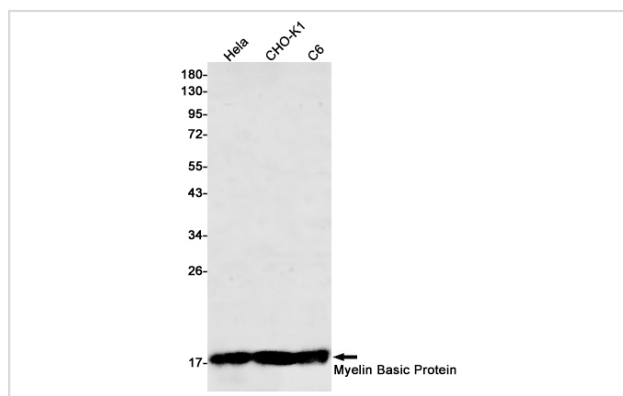
Description

Product Name	Myelin Basic Protein Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	S03-8D1
Isotype	Rabbit IgG
Purification	Affinity Purified
Applications	WB
Species Reactivity	Human;Mouse;Rat
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:P02686GenelD:4155
Calculated MW	Calculated MW: 33 kDa; Observed MW: 18 kDa
Formulation	50nM 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: 1/1000-1/5000

Images



Western blot detection of Myelin Basic Protein in HeLa, CHO-K1, C6 cell lysates using Myelin Basic Protein Rabbit mAb(1:500 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.

Published Papers

el at., Implantation with SHED sheet induced with homogenate protein of spinal cord promotes functional recovery from spinal cord injury in ratsInFront Bioeng BiotechnolOn2023 Mar 14bySisi Mi 1, Xue Wang et al..PMID: 36998812, , (2023)

[PMID:36998812](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.