

MBP Rabbit mAb

Catalog No: #32374

Package Size: #32374-1 50ul #32374-2 100ul

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Description

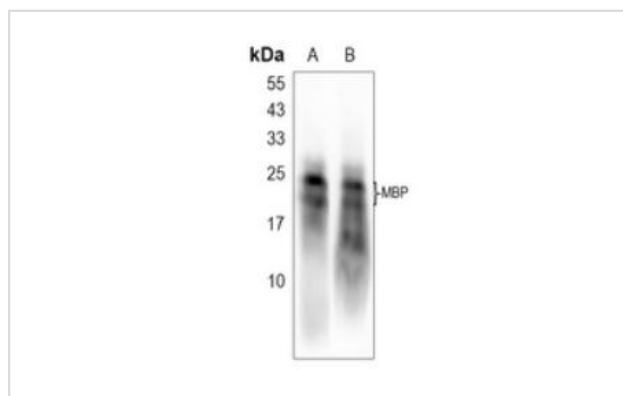
Product Name	MBP Rabbit mAb
Host Species	Rabbit
Clonality	Monoclonal
Purification	The antibody was purified by immunogen affinity chromatography.
Applications	WB,IHC
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous level of total MBP protein.
Immunogen Type	Peptide
Immunogen Description	KLH-conjugated synthetic peptide encompassing a sequence of human MBP. The exact sequence is proprietary.
Target Name	MBP
Other Names	MGC99675;
Accession No.	Swiss-Prot:P02686NCBI Gene ID:4155
Uniprot	P02686
GeneID	4155;
Calculated MW	Predicted band size: 33 kDa
SDS-PAGE MW	Observed band size: 18;24 kDa
Concentration	1.0mg/ml
Formulation	Liquid in PBS, pH 7.3, 50% glycerol, and 0.05% Proclin300.
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.

Application Details

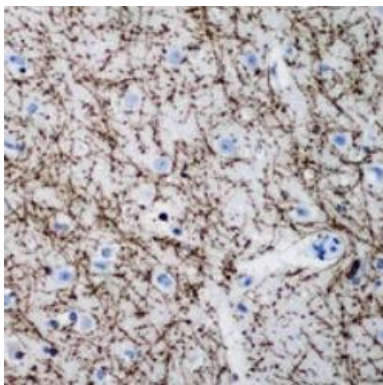
WB 1:500 - 1:1000;

IHC 1:50 - 1:200;

Images



Western blot analysis of MBP expression in mouse brain (A), rat brain (B) whole cell lysates.
(Predicted band size: 33 kDa; Observed band size: 18; 24 kDa)



Immunohistochemical analysis of MBP staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Background

MBP belongs to the myelin basic protein family. The classic group of MBP isoforms (isoform 4-isoform 14) are 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. This is a rabbit polyclonal antibody raised against the full-length of human MBP, and is capable of recognizing multiple isoforms of MBP.

Note: This product is for in vitro research use only