

MBP(myelin basic protein) Antibody

Catalog No: #21640

Package Size: #21640-1 50ul #21640-2 100ul

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Description

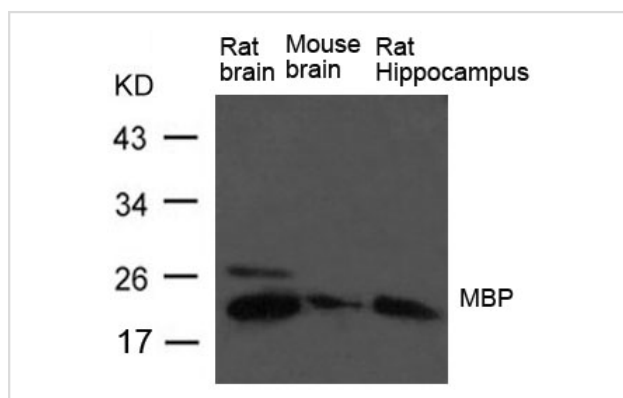
Product Name	MBP(myelin basic protein) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	WB
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of total MBP(myelin basic protein) protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa.291~295(G-G-R-D-S
Conjugates	Unconjugated
Target Name	MBP(myelin basic protein)
Other Names	MGC99675
Accession No.	Swiss-Prot: P02686NCBI Protein: NP_001020252.1
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

Application Details

Predicted MW: 14~33kd

Western blotting: 1:500~1:1000

Images



Western blot analysis of extract from Rat brain, Mouse brain and Rat hippocampus Tissue using MBP Antibody #21640

Background

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.

Pribyl T.M., Campagnoni C.W., Kampf K. Proc. Natl. Acad. Sci. U.S.A. 90:10695-10699(1993)

Nye S.H., Pelfrey C.M., Burkwit J.J. Mol. Immunol. 32:1131-1141(1995)

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