

35-1808: Polyclonal Antibody to MBP (myelin basic protein)

Clonality :	Polyclonal
Application :	WB
Reactivity :	Rat,Mouse,Human
Gene :	MBP
Gene ID :	4155
Uniprot ID :	P02686
Format :	Purified
Alternative Name :	MGC99675
Isotype :	Rabbit IgG
Immunogen Information :	Peptide sequence around aa.291~295(G-G-R-D-S

Description

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.

Product Info

Amount :	50 µl / 100 µl
Content :	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 condition :	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

Predicted MW: 14~33kd, Western blotting: 1:500~1:1000

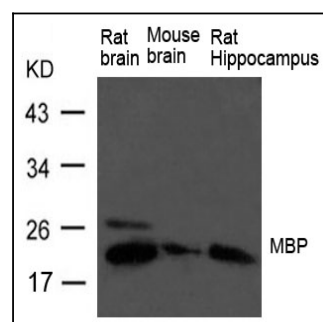


Figure 1: Western blot analysis of extract from Rat brain, Mouse brain and Rat hippocampus Tissue using MBP Antibody 35-1808