

**Anti-Myelin Basic Protein MBP Rabbit Monoclonal Antibody**  
**Catalog # ABO14277****Specification**

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**Anti-Myelin Basic Protein MBP Rabbit Monoclonal Antibody - Product Information**

Application	WB, IHC
Primary Accession	<a href="#">P02686</a>
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Human
Clonality	Monoclonal
Format	Liquid

**Description**

Anti-Myelin Basic Protein MBP Rabbit Monoclonal Antibody . Tested in WB, IHC applications. This antibody reacts with Human.

**Anti-Myelin Basic Protein MBP Rabbit Monoclonal Antibody - Additional Information**

**Gene ID** 4155

**Other Names**

Myelin basic protein, MBP, Myelin A1 protein, Myelin membrane encephalitogenic protein, MBP

**Calculated MW**

33117 MW KDa

**Application Details**

WB 1:500-1:2000<br>IHC 1:50-1:200

**Subcellular Localization**

Myelin membrane; Peripheral membrane protein; Cytoplasmic side. Cytoplasmic side of myelin.

**Tissue Specificity**

MBP isoforms are found in both the central and the peripheral nervous system, whereas Golli-MBP isoforms are expressed in fetal thymus, spleen and spinal cord, as well as in cell lines derived from the immune system..

**Contents**

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

**Immunogen**

A synthesized peptide derived from human Myelin Basic Protein

**Purification**

Affinity-chromatography

**Storage**

**Store at -20°C for one year. For short term storage and frequent use, store at 4°C for**

**up to one month. Avoid repeated  
freeze-thaw cycles.**

## **Anti-Myelin Basic Protein MBP Rabbit Monoclonal Antibody - Protein Information**

### **Name** MBP

### **Function**

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.

### **Cellular Location**

Myelin membrane; Peripheral membrane protein; Cytoplasmic side. Note=Cytoplasmic side of myelin

### **Tissue Location**

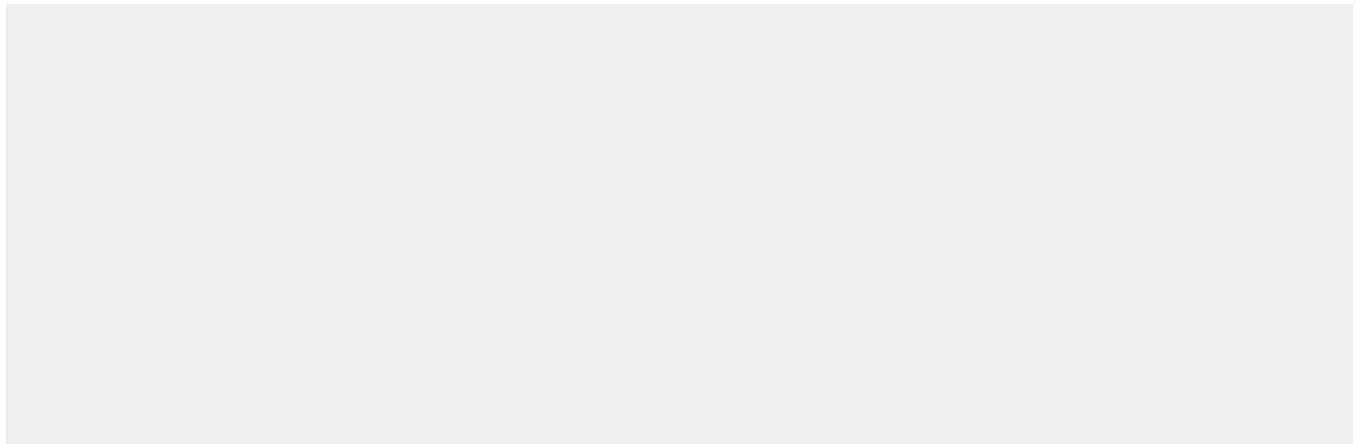
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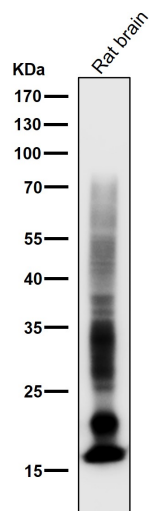
## **Anti-Myelin Basic Protein MBP Rabbit Monoclonal Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

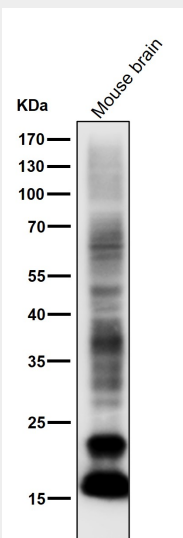
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## **Anti-Myelin Basic Protein MBP Rabbit Monoclonal Antibody - Images**

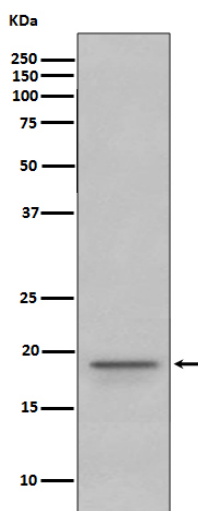




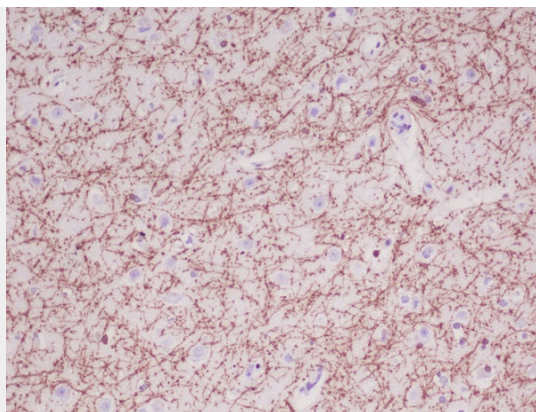
All lanes use the Antibody at 1:5K dilution for 1 hour at room temperature.



All lanes use the Antibody at 1:5K dilution for 1 hour at room temperature.



Western blot analysis of Myelin Basic Protein expression in Human fetal brain lysate.



Immunohistochemical analysis of paraffin-embedded human brain, using Myelin Basic Protein Antibody.