

**MBP**  
Rabbit Monoclonal antibody(Mab)  
Catalog # AD80097

## Specification

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### MBP - Product info

|                   |                        |
|-------------------|------------------------|
| Application       | IHC-P, IHC             |
| Primary Accession | <a href="#">P02686</a> |
| Reactivity        | Human                  |
| Host              | Rabbit                 |
| Clonality         | Monoclonal             |
| Calculated MW     | 33117                  |

### MBP - Additional info

|           |      |
|-----------|------|
| Gene ID   | 4155 |
| Gene Name | MBP  |

#### Other Names

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

#### Dilution

IHC-P~~Ready-to-use

IHC~~Ready-to-use

#### Storage

Maintain refrigerated at 2-8°C

#### Precautions

**Myelin Basic Protein Antibody is for research use only and not for use in diagnostic or therapeutic procedures.**

### MBP - 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

Cellular Location

Tissue Location

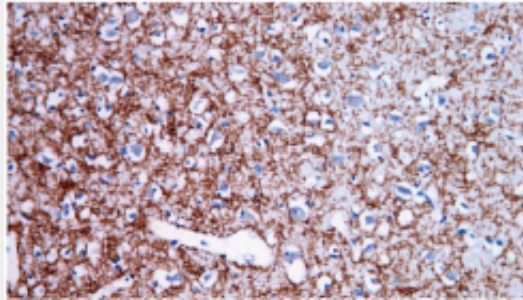
pathways in T- cells and neural cells. Differential splicing events combined with optional post-translational modifications give a wide spectrum of isomers, with each of them potentially having a specialized function. Induces T-cell proliferation. Myelin membrane; Peripheral membrane protein; Cytoplasmic side. Note=Cytoplasmic side of myelin 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

### MBP - Protocols

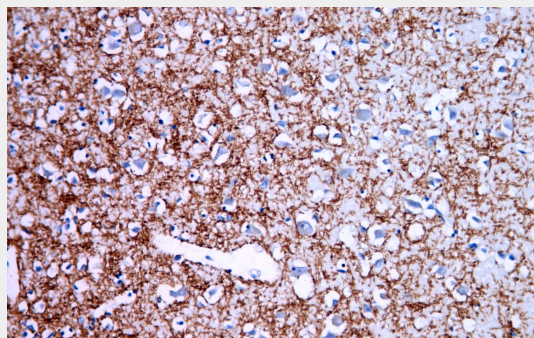
Provided below are standard protocols that you may find useful for product applications.

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

### MBP - Images



Brain tissue



Immunohistochemical analysis of paraffin-embedded human brain tissue using AD80097

performed on the Abcarta® FAIP-30 Fully automated IHC platform. Tissue was fixed with formaldehyde at room temperature, antigen retrieval was by heat mediation with a Citrate buffer (pH 6.0). Samples were incubated with primary antibody (Ready-to-use) for 15 min at room temperature. AmpSee™ Detection Systems [Abcepta:AR005] was used as the secondary antibody.