

## Myelin Basic Protein Recombinant antibody

**Cat:**B32073R

**Company:** Haokebio

**Uniprot ID:**P02686

**Applications:** IHC:1:100-1:200

**Organism:**Rabbit

IHC-Polymer:1:400-1:800

**Species reactivity:**Human

TSA:1:500-1:1000

### Background:

Myelin Basic Protein (MBP) is the second most abundant protein in the myelin sheaths of the central nervous system (CNS); it accounts for 30% of the total protein and approximately 10% of the dry weight of myelin sheaths. MBP is the only currently known structural protein essential for myelination in the CNS, and is referred to as the "executive molecule of myelin sheaths". MBP can interact with a variety of polyanionic proteins, including actin, tubulin, calmodulin, and clathrin, as well as negatively charged lipids, and adopts a structure that binds to these molecules. MBP can also act as a membrane actin-binding protein, which may enable it to participate in the transmission of extracellular signals to the cytoskeleton of oligodendrocytes and in the tight junctions within myelin sheaths. MBP can serve as a marker for oligodendroglioma.

### Protein full name:

myelin basic protein

### Synonyms:

myelin basic protein

### Immunogen:

Peptide

### Isotype:

IgG

### Subcellular location:

Cytoplasm, Cell membrane

### Purity:

Affinity purification

### Form:

Liquid

### Storage Buffer:

PBS with 0.02% sodium azide, 100 µg/ml BSA and 50% glycerol.

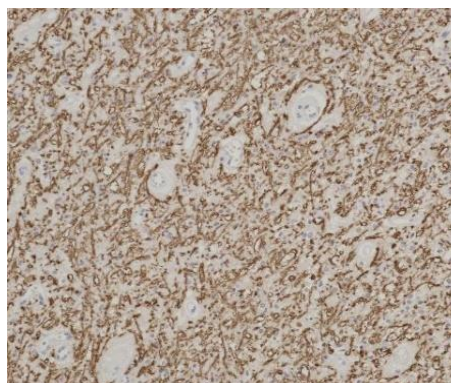
### Storage:

Store at -20 °C for one year.

### Experimental procedure:

Antigen retrieval: Citrate buffer (pH 9.0), Medium high heat for 8 minutes, stop for 7 minutes, medium high heat for 8 minutes. Incubate antibody, 4°C overnight. Secondary antibody: Poly-HRP Goat Anti-Rabbit & Mouse Universal Secondary Antibody, RT, 1h.

### Images:



Sample: Human glioma tissue, 4% PFA 12-24h

### Source of Reagents:

发表[中文论文]请标注: Myelin Basic Protein(B32073R)由杭州浩克生物技术有限公司提供;

发表[英文论文]请标注: Myelin Basic Protein(B32073R) were kindly provided by Hangzhou Haoke Biotechnology Co., Ltd.