

## Anti-MBP Antibody (3G275)

### Product Details

Ig Type:	IgG1, k
Reactivity:	Human,Mouse,Rat
Molecular Weight:	Theoretical: 33 kDa. Actual: 15-25 kDa.
Clone:	3G275
Purification:	Protein A purified

### Applications

1. Paraformaldehyde-fixed, paraffin embedded Mouse Cerebrum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with MBP Monoclonal Antibody, Unconjugated (TMAB-08649) at 1:200 overnight at 4°C, followed by conjugation to the HRP and DAB staining.
2. Paraformaldehyde-fixed, paraffin embedded Rat Cerebrum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with MBP Monoclonal Antibody, Unconjugated (TMAB-08649) at 1:200 overnight at 4°C, followed by conjugation to the HRP and DAB staining.
3. Paraformaldehyde-fixed, paraffin embedded Human Cerebrum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with MBP Monoclonal Antibody, Unconjugated (TMAB-08649) at 1:200 overnight at 4°C, followed by conjugation to the HRP and DAB staining.
4. Paraformaldehyde-fixed, paraffin embedded Mouse Cerebellum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with MBP Monoclonal Antibody, Unconjugated (TMAB-08649) at 1:200 overnight at 4°C, followed by conjugation to the HRP and DAB staining.
5. Paraformaldehyde-fixed, paraffin embedded Rat Cerebellum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with MBP Monoclonal Antibody, Unconjugated (TMAB-08649) at 1:200 overnight at 4°C, followed by conjugation to the HRP and DAB staining.
6. Paraformaldehyde-fixed, paraffin embedded Human Cerebellum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with MBP Monoclonal Antibody, Unconjugated (TMAB-08649) at 1:200 overnight at 4°C, followed by conjugation to the HRP and DAB staining.
7. (Negative control) Paraformaldehyde-fixed, paraffin embedded Rat Kidney; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with MBP Monoclonal Antibody, Unconjugated (TMAB-08649) at 1:500 overnight at 4°C, followed by conjugation to the HRP and DAB staining.
8. (Negative control) Paraformaldehyde-fixed, paraffin embedded Human Kidney; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with MBP Monoclonal Antibody, Unconjugated (TMAB-08649) at 1:500 overnight at 4°C, followed by conjugation to the HRP and DAB staining.
9. 25 ug total protein per lane of various lysates (see on figure) probed with MBP monoclonal antibody, unconjugated (TMAB-08649) at 1:2000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r. T. for 60 min.

## A DRUG SCREENING EXPERT

---

Application: IHC-P,IHC-Fr,IF,WB

Recommended IHC-P: 1:200-1000; IHC-Fr: 1:200-1000; IF: 1:200-1000; WB: 1:1000-2000

---

### Properties

Stability & Storage: Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

---

### Antigen Details

Immunogen: KLH conjugated synthetic peptide: human MBP

Antigen Species: Human

Gene ID: 4155

Uniprot ID: P02686

---

### Research Background

#### Oligodendrocyte Marker

The classic group of Myelin basic protein (MBP) isoforms (isoforms 4 to 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 (isoforms 1 to 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 to optional posttranslational modifications give a wide spectrum of isomers, each of them having maybe a specialized function.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481

---