

**Anti-MBP (pT232) Antibody**  
**Rabbit polyclonal antibody to MBP (pT232)**  
**Catalog # AP61102**

**Specification**

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**Anti-MBP (pT232) Antibody - Product Information**

Application	<b>WB, E</b>
Primary Accession	<a href="#">P02686</a>
Other Accession	<a href="#">P04370</a>
Reactivity	<b>Human, Mouse, Rat, Pig, Bovine</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Calculated MW	<b>33117</b>

**Anti-MBP (pT232) Antibody - Additional Information**

**Gene ID** 4155

**Other Names**

Myelin basic protein; MBP; Myelin A1 protein; Myelin membrane encephalitogenic protein

**Target/Specificity**

Recognizes endogenous levels of MBP (pT232) protein.

**Dilution**

WB~~WB (1/500 - 1/1000)

E~~WB (1/500 - 1/1000)

**Format**

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

**Storage**

Store at -20 °C. Stable for 12 months from date of receipt

**Anti-MBP (pT232) 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

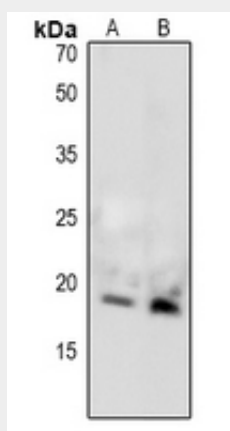
MBP isoforms are found in both the central and the peripheral nervous system, whereas Golli-MBP isoforms are expressed in fetal thymus, spleen and spinal cord, as well as in cell lines derived from the immune system.

### Anti-MBP (pT232) Antibody - Protocols

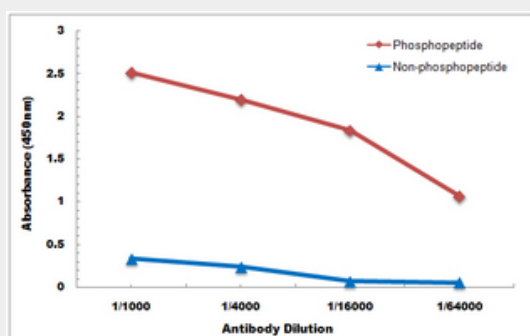
Provided below are standard protocols that you may find useful for product applications.

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

### Anti-MBP (pT232) Antibody - Images



Western blot analysis of MBP (pT232) expression in mouse brain (A), rat brain (B) whole cell lysates.



Direct ELISA antibody dose-response curve using Anti-MBP (pT232) Antibody. Antigen (phosphopeptide and non-phosphopeptide) concentration is 5 ug/ml. Goat Anti-Rabbit IgG (H&L) - HRP was used as the secondary antibody, and signal was developed by TMB substrate.

**Anti-MBP (pT232) Antibody - Background**

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human MBP. The exact sequence is proprietary.