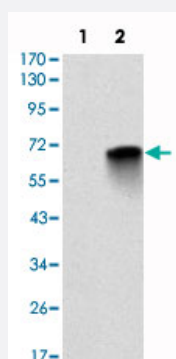


# MBP monoclonal antibody, clone 2H9

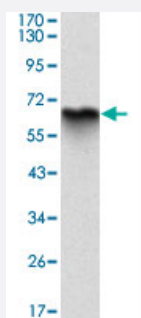
Catalog # MAB10804      Size 100 uL

## Applications



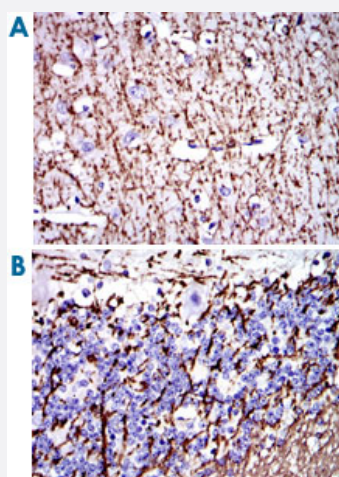
### Western Blot (Transfected lysate)

Western blot analysis using MBP monoclonal antibody, clone 2H9 (Cat # MAB10804) against HEK293 (1) and MBP-hlgGfc transfected HEK293 (2) cell lysate.



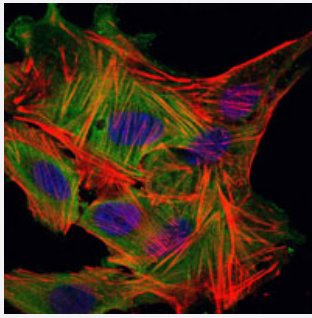
### Western Blot (Recombinant protein)

Western blot analysis using MBP monoclonal antibody, clone 2H9 (Cat # MAB10804) against human MBP (aa: 1-197) recombinant protein. (Expected MW is 47 kDa)



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human brain (A) and human cerebellum (B) tissues using MBP monoclonal antibody, clone 2H9 (Cat # MAB10804) with DAB staining.

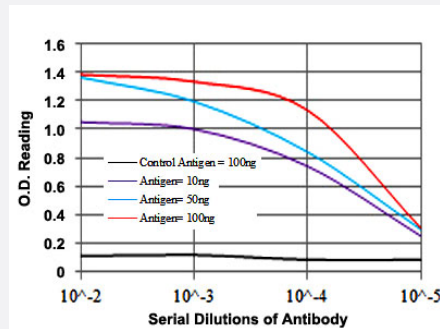


## Immunofluorescence

Immunofluorescence analysis of MSCs cells using MBP monoclonal antibody, clone 2H9 (Cat # MAB10804) (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin. MBP monoclonal antibody, clone 2H9 (Cat # MAB10804) (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.

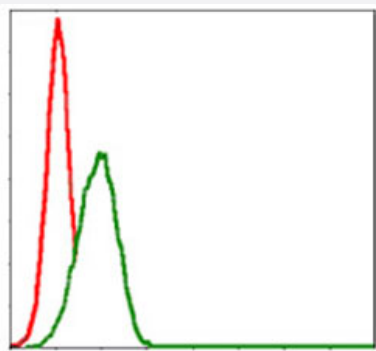
## Enzyme-linked Immunoabsorbent Assay

ELISA measurement of MBP monoclonal antibody, clone 2H9 (Cat # MAB10804).



## Flow Cytometry

Flow cytometric analysis of HepG2 cells using MBP monoclonal antibody, clone 2H9 (Cat # MAB10804) (green) and negative control (red).



## Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant MBP.
Immunogen	Recombinant protein corresponding to human MBP.
Host	Mouse
Reactivity	Human
Form	Liquid
Isotype	IgG1

<b>Recommend Usage</b>	ELISA (1:10000) Western Blot (1:500-1:2000) Immunohistochemistry (1:200-1:1000) Immunofluorescence (1:200-1:1000) Flow cytometry (1:200-1:400) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In ascites (0.03% sodium azide)
<b>Storage Instruction</b>	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

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Western blot analysis using MBP monoclonal antibody, clone 2H9 (Cat # MAB10804) against HEK293 (1) and MBP-hlgGfc transfected HEK293 (2) cell lysate.

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ELISA measurement of MBP monoclonal antibody, clone 2H9 (Cat # MAB10804).

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Flow cytometric analysis of HepG2 cells using MBP monoclonal antibody, clone 2H9 (Cat # MAB10804) (green) and negative control (red).

## Gene Info — MBP

Entrez GeneID [4155](#)

Gene Name MBP

Gene Alias MGC99675

Gene Description myelin basic protein

Omim ID [159430](#)

Gene Ontology [Hyperlink](#)

**Gene Summary**

The protein encoded by the classic MBP gene is a major constituent of the myelin sheath of oligodendrocytes and Schwann cells in the nervous system. However, MBP-related transcripts are also present in the bone marrow and the immune system. These mRNAs arise from the long MBP gene (otherwise called "Golli-MBP") that contains 3 additional exons located upstream of the classic MBP exons. Alternative splicing from the Golli and the MBP transcription start sites gives rise to 2 sets of MBP-related transcripts and gene products. The Golli mRNAs contain 3 exons unique to Golli-MBP, spliced in-frame to 1 or more MBP exons. They encode hybrid proteins that have N-terminal Golli aa sequence linked to MBP aa sequence. The second family of transcripts contain only MBP exons and produce the well characterized myelin basic proteins. This complex gene structure is conserved among species suggesting that the MBP transcription unit is an integral part of the Golli transcription unit and that this arrangement is important for the function and/or regulation of these genes. [provided by RefSeq]

**Other Designations** Golli-mbp|OTTHUMP00000174383|OTTHUMP00000174384|OTTHUMP00000174385|OTTHUMP00000174386

## Disease

- [Birth Weight](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Dermatitis](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Glomerulonephritis](#)

- [Hepatitis B](#)
- [Leukemia](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Multiple Sclerosis](#)
- [Schizophrenia](#)
- [Tuberculosis](#)