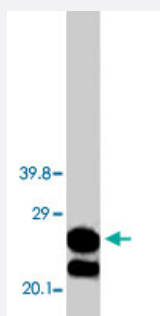


MBP polyclonal antibody

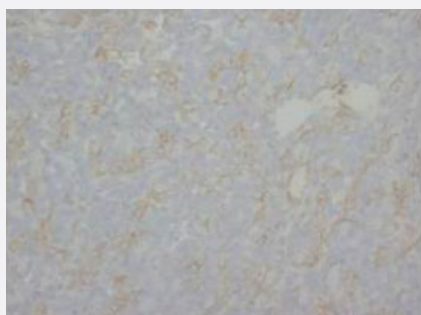
Catalog # PAB7988 Size 100 ug

Applications



Western Blot (Tissue lysate)

Western blot analysis of rat brain tissue lysate. Using MBP polyclonal antibody (Cat # PAB7988) .



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

Immunohistochemical analysis of paraffin-embedded human liver sections using MBP polyclonal antibody (Cat # PAB7988) .

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of MBP.
Immunogen	A synthetic peptide corresponding to C-terminus of human MBP.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Specificity	Identical to the related rat and mouse sequence.
Form	Lyophilized
Purification	Immunoaffinity purification

Isotype	IgG
Recommend Usage	Western Blot (1-2 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1-2 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ (5 mg BSA, 0.05 mg sodium azide, 0.05 mg Thimerosal)
Storage Instruction	Store at -20°C on dry atmosphere. After reconstitution with 200 uL of deionized water and concentration will be 500 ug/mL, store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide and thimerosal: POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

Western blot analysis of rat brain tissue lysate. Using MBP polyclonal antibody (Cat # PAB7988) .

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

Immunohistochemical analysis of paraffin-embedded human liver sections using MBP polyclonal antibody (Cat # PAB7988) .

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

Publication Reference

- [The myelin basic protein gene is expressed in differentiated blood cell lineages and in hemopoietic progenitors.](#)

Marty MC, Alliot F, Rutin J, Fritz R, Trisler D, Pessac B.

PNAS 2002 Jun; 99(13):8856.

Application: IF, WB-Ce, Mouse, Thymic T cells

- [Human T lymphocytes specific for the immunodominant 83-99 epitope of myelin basic protein: recognition of golli MBP HOG 7.](#)

Tranquill LR, Skinner E, Campagnoni C, Vergelli M, Hemmer B, Muraro P, Martin R, McFarland HF, Campagnoni AT, Voskuhl RR.

Journal of Neuroscience Research 1996 Sep; 45(6):820.

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