

anti-Human, Rat Myelin Basic Protein Antibody | anti-MBP antibody

Myelin Basic Protein, Monoclonal Antibody, Mouse

CATALOG # AAA76423	REACTIVITY Human, Rat	APPLICATIONS Western Blot, Immunofluorescence
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PRODUCT SYNONYMS

Myelin Basic Protein; Monoclonal Antibody; Mouse; anti-MBP antibody

PRODUCT SPECIFICATIONS

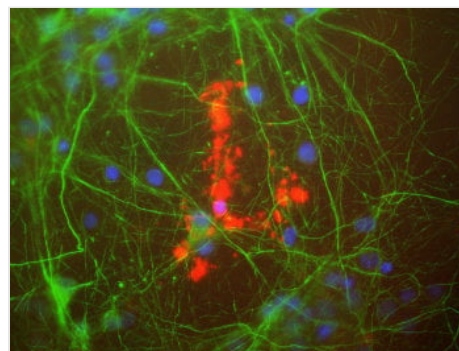
Reactivity	Human, Rat
Form/Format	Affinity Purified - Liquid
Sequence Length	304
Applicable Applications for anti-MBP antibody	WB (Western Blot), IF (Immunofluorescence)
Type Info	Chicken IgY
Immunogen	Mixture of 3 MBP peptides which are the different forms of the protein which are alternate transcription from a single gene.

IMAGES



Application Data

Image: Blots of crude rat spinal cord homogenate blotted with MBP-Mouse Monoclonal Antibody. Protocol on data-sheet.



Application Data

Image: Shows rat mixed neuron/glia cultures stained with Myelin Basic Protein antibody (red), and also with chicken antibody to neurofilament NF-L (green). Blue is a DNA stain. Note that the MBP antibody stains an oligodendrocyte and some membrane shed from this cell. Other cells in the field include neurons, astrocytes, microglia and fibroblasts, all of which are completely negative for MBP, though the neuronal processes can be seen with the NF-L antibody. Protocol on data-sheet.

ADDITIONAL INFORMATION

Related Product Information for anti-MBP antibody

Myelin basic protein is reported to account for about 30 of the proteins in myelin found in the central nervous system. It can induce experimental allergic encephalomyelitis (EAE), a T-lymphocyte mediated disease due to delayed-type hypersensitivity; though each animal species appears to respond to a different fragment of the 170 amino acid polypeptide. Four different isoforms have been identified through cDNA cloning. All four of these variants are identical except for the insertion or deletion of two peptide fragments encoded by exons 2 and 5. Myelin basic protein is reported to be expressed in oligodendrocytes, myelin of white matter in the brain and spinal cord and in peripheral nerves, though it is expressed less abundantly in gray matter.

Product Categories/Family for anti-MBP antibody

[Antibodies](#); [Neuronal-Glial Markers](#); [Neuron/Synapse Markers](#); [Myelin Basic Protein](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	17378805
NCBI GeneID	4155
Molecular Weight	17,343 Da
NCBI Official Full Name	Myelin basic protein
NCBI Official Synonym Full Names	myelin basic protein
NCBI Official Symbol	MBP
NCBI Protein Information	Golli-MBP; myelin basic protein
UniProt Protein Name	Myelin basic protein
UniProt Gene Name	MBP
UniProt Synonym Gene Names	MBP
UniProt Entry Name	MBP_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-rat-antibody/myelin-basic-protein/76423>