

Mouse anti-Human MBP Monoclonal Antibody | anti-MBP antibody

MBP Antibody (Ascites)

CATALOG # AAA283450	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunofluorescence, ELISA, Western Blot
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PRODUCT SYNONYMS

MBP; Monoclonal Antibody; MBP Antibody (Ascites); Myelin basic protein; Myelin A1 protein; Myelin membrane encephalitogenic protein; anti-MBP antibody

PRODUCT SPECIFICATIONS

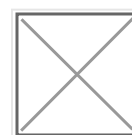
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgM
Clone Number	408CT17.4.3
Specificity	Purified His-tagged MBP protein(Fragment) was used to produced this monoclonal antibody.
Form/Format	Mouse monoclonal antibody supplied in crude ascites with 0.09% (W/V) sodium azide.
Sequence Length	197
Applicable Applications for anti-MBP antibody	IF (Immunofluorescence), ELISA, WB (Western Blot)
Antigen Type	Recombinant Protein
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IF (Immunofluorescence)

Confocal immunofluorescent analysis of MBP Antibody (Ascites) with NCI-H460 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



WB (Western Blot)

MBP Antibody (Ascites) western blot analysis in ZR-75-1 cell line lysates (35ug/lane). This demonstrates the MBP antibody detected the MBP protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-MBP antibody	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].
Product Categories/Family for anti-MBP antibody	Neuroscience
References	Walsh, C.M., et al. Biochem. J. 430(3):453-460(2010) Han, S., et al. Hum. Immunol. 71(7):727-730(2010) Martins-de-Souza, D., et al. J Psychiatr Res (2010) In press : Rajaraman, P., et al. Cancer Epidemiol. Biomarkers Prev. 19(5):1356-1361(2010) Pan, H., et al. Sichuan Da Xue Xue Bao Yi Xue Ban 40(5):775-779(2009)

NCBI AND UNIPROT INFORMATION

NCBI GI #	68509930
NCBI GeneID	4155
NCBI Accession #	NP_001020252.1; NP_001020261.1; NP_001020263.1; NP_001020271.1; NP_001020272.1; NP_002376.1
NCBI GenBank Nucleotide #	NM_001025081.1
UniProt Accession #	P02686; Q15337; Q15338; Q15339; Q15340; A4FU54; A6NI84; A8MY86; A8MYL4; B3KY66; B7ZKS2; B7ZKS4
Molecular Weight	33117
NCBI Official Full Name	myelin basic protein isoform 1
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/monoclonal/mbp-antibody-clone-408ct17-4-3-immunofluorescence-western-blot-elisa/283450>