

Mouse anti-Human Myelin Basic Protein Monoclonal Antibody | anti-MBP antibody

Myelin Basic Protein Recombinant Mouse Monoclonal Antibody [Clone rMBP/4288]

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA215791	Mouse	Human	Immunohistochemistry, Western Blot

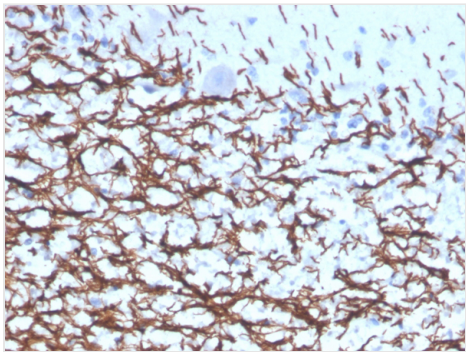
PRODUCT SYNONYMS

Myelin Basic Protein; Monoclonal Antibody; Myelin Basic Protein Recombinant Mouse Monoclonal Antibody [Clone rMBP/4288]; GDB; Golli MBP; myelin basic protein; Hemopoietic MBP; HMBPR; HUGO; MLD; Myelin A1 Protein; basic; Myelin Deficient; Myelin membrane encephalitogenic protein; SHI; Shiverer; SP; anti-MBP antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse/IgG2a, kappa
Clone Number	rMBP/4288
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Concentration	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml (varies by lot)
Applicable Applications for anti-MBP antibody	IHC (Immunohistochemistry), WB (Western Blot)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant fragment (around aa 150-250) of human MBP (exact sequence is proprietary)
Cellular Localization	Cell surface, Cytoplasm
Positive Control	Human brain or astrocytoma.
Hu-chromosome Location	18q23
Unigene	551713
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C Antibody without azide: store at -20 to -80 degree C Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human cerebellum stained with MBP Recombinant Mouse Monoclonal Antibody (rMBP/4288).

ADDITIONAL INFORMATION

Related Product Information for anti-MBP antibody	Myelin basic protein (MBP) is the second most abundant protein in central nervous system (CNS) myelin: it comprises 30% of the total protein and about 10% of the dry weight of myelin. It is the only structural protein found so far to be essential for formation of CNS myelin, and has been called the executive molecule of myelin. MBP can interact with a number of polyanionic proteins including actin, tubulin, calmodulin, and clathrin, and negatively charged lipids, and acquires structure on binding to them. It may act as a membrane actin-binding protein, which might allow it to participate in transmission of extracellular signals to the cytoskeleton in oligodendrocytes and tight junctions in myelin. MBP may be applicable as a marker for oligodendrogliomas.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	1162922
NCBI GeneID	4155
UniProt Accession #	P02686; Q15337; Q15338; Q15339; Q15340; A4FU54; A6NI84; A8MY86; A8MYL4; B3KY66; B7ZKS2; B7ZKS4
Molecular Weight	33,117 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; myelin A1 protein; myelin membrane encephalitogenic 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.