

Rabbit anti-Mouse, Rat Myelin Basic Protein Polyclonal Antibody | anti-MBP antibody

Anti-Myelin Basic Protein antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA11509	Rabbit	Mouse, Rat	Western Blot, Immunohistochemistry, Immunofluorescence

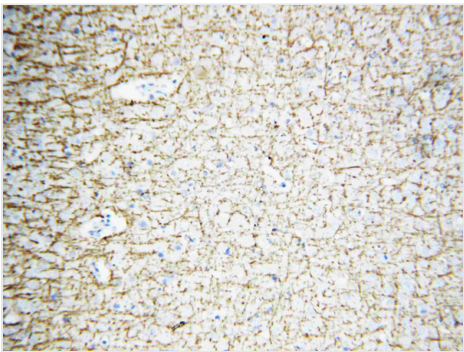
PRODUCT SYNONYMS

Myelin Basic Protein; Polyclonal Antibody; Anti-Myelin Basic Protein antibody; Myelin basic protein(MBP); myelin basic protein; GDB antibody; Golli MBP antibody; Hemopoietic MBP antibody; HMBPR antibody; HUGO antibody; MBP antibody; MBP_HUMAN antibody; MGC99675 antibody; MLD antibody; Myelin A1 Protein antibody; Myelin basic protein antibody; Myelin Deficient antibody; Myelin Membrane Encephalitogenic Protein antibody; OTTHUMP00000163776 antibody; OTTHUMP00000174387 antibody; OTTHUMP00000174388 antibody; SHI antibody; Shiverer antibody; SP antibody; anti-MBP antibody

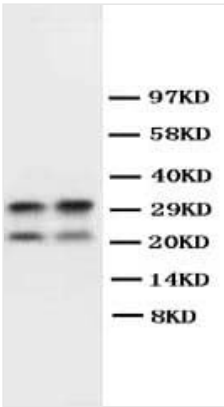
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized; Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.01mg NaN ₃
Sequence Length	304
Applicable Applications for anti-MBP antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence)
Application Notes	WB: Concentration 0.1-0.5ug/ml; Tested Species: Ms, Rat IHC (Paraffin-embedded Section): Concentration: 2-5ug/ml; Tested Species: Ms, Rat; Antigen Retrieval: By Heat IF: Concentration: 2ug/ml; Tested Species: Ms, Rat Tested Species: In-house tested species with positive results. Predicted Species: Species predicted to be fit for the product based on sequence similarities. By Heat: Boiling paraffin sections in 10mM citrate buffer pH 6.0, for 20 minutes is required for the staining of formalin/paraffin sections. Other applications have not been tested. Optimal dilutions should be determined by end users.
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Myelin Basic Protein (182-197aa KLGGDRSGSPMARR), identical to the related rat and mouse sequences.
Reconstitution	0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	Store at -20 degree C. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)
Anti-Myelin Basic Protein antibody, AAA11509, IHC(P)IHC(P): Rat Brain Tissue



WB (Western Blot)
Anti-Myelin Basic Protein antibody, AAA11509, Western blottingWB: Mouse Brain Tissue Lysate

ADDITIONAL INFORMATION

Related Product Information for anti-MBP antibody	Description: Rabbit IgG polyclonal antibody for Myelin basic protein(MBP) detection. Tested with WB, IHC-P in Human, Mouse, Rat. Background: Myelin basic protein(MBP) is a major constituent of the myelin sheath of oligodendrocytes and Schwann cells in the central nervous system and the peripheral nervous system, respectively. It is most abundant in hemopoietic system and contains seven exons distributed over 32-34 kb. MBP isolated from MS brain may differ in charge microheterogeneity which would affect antigenic determinants. MBP is mapped to chromosome 18q22-23. Failure in this gene expression would be correlated in the central white matter with extrapyramidal system degeneration signs. Moreover, it is a candidate autoantigen in the disease multiple sclerosis.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	17378805
NCBI GeneID	4155
UniProt Accession #	P02686; Q15337; Q15338; Q15339; Q15340; A4FU54; A6NI84; A8MY86; A8MYL4; B3KY66; B7ZKS2; B7ZKS4
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.