

Goat Myelin Basic Protein (MBP) Polyclonal Antibody | anti-MBP antibody

Myelin Basic Protein (MBP)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA76625	Goat	Human, Mouse, Rat, Cow and Pig	Immunofluorescence, Western Blot, Immunocytochemistry

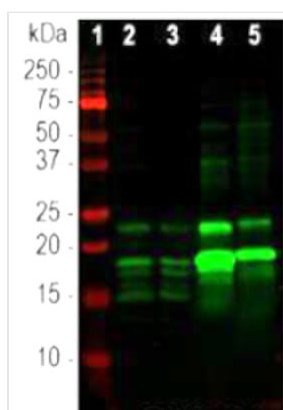
PRODUCT SYNONYMS

Myelin Basic Protein (MBP); Polyclonal Antibody; anti-MBP antibody

PRODUCT SPECIFICATIONS

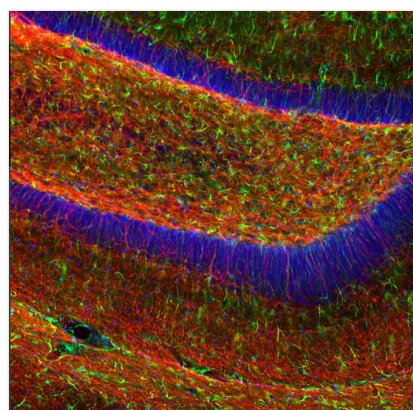
Host	Goat
Reactivity	Human, Mouse, Rat, Cow and Pig
Clonality	Polyclonal
Isotype	Goat IgG
Form/Format	Affinity Purified antibody Liquid. Purified antibody at 1mg/mL in 50% PBS, 50% glycerol plus 5mM NaN3
Applicable Applications for anti-MBP antibody	IF (Immunofluorescence), WB (Western Blot), ICC (Immunocytochemistry)
Immunogen	Purified myelin basic protein isolated from bovine brain
Preparation and Storage	Antibody can also be aliquotted and stored frozen at -20 degrees C in a manual defrost freezer for six months without detectable loss of activity. The antibody is stable at 2 degrees - 8 degrees C for 1 year. Avoid repeated freeze-thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescent analysis of mouse hippocampus section stained with goat pAb to myelin basic protein (MBP), AAA76625, dilution 1:5,000 in red, and costained with rabbit pAb to GFAP, dilution 1:5,000 in green. Western Blot: Western blot analysis of different tissue lysates using goat pAb to myelin basic protein (MBP), AAA76625, dilution 1:5,000 in green: [1] protein standard (red), [2] rat cerebellum, [3] mouse cerebellum, [4] cow midbrain and [5] pig midbrain.



IF (Immunofluorescence)

Myelin Basic Protein (MBP) is one of the major proteins of the myelin sheath surrounding axons in the nervous system. Since it is of relatively low molecular weight and high abundance the protein sequence was determined from purified protein over 30 years ago. The protein is made by oligodendrocytes in the central and nervous system, so antibodies to MBP are good markers of this cell type. In the peripheral nervous system MBP is expressed by myelinating Schwann cells so this antibody can be used to identify these cells in culture or sections. In the central nervous system four different forms of the protein made by alternate transcription from a single gene, the protein products having molecular weights of 21.5, 20.5, 18.5, and 17.2kDa in humans.

ADDITIONAL INFORMATION

Related Product Information for anti-MBP antibody	Myelin Basic Protein (MBP) is one of the major proteins of the myelin sheath surrounding axons in the nervous system. Since it is of relatively low molecular weight and high abundance the protein sequence was determined from purified protein over 30 years ago. The protein is made by oligodendrocytes in the central and nervous system, so antibodies to MBP are good markers of this cell type. In the peripheral nervous system MBP is expressed by myelinating Schwann cells so this antibody can be used to identify these cells in culture or sections. In the central nervous system four different forms of the protein made by alternate transcription from a single gene, the protein products having molecular weights of 21.5, 20.5, 18.5, and 17.2kDa in humans.
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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
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.