

Rabbit Myelin Basic Protein, Degraded Polyclonal Antibody | anti-Mbp antibody

Myelin Basic Protein, Degraded (MBP)

CATALOG # AAA14716	HOST Rabbit	APPLICATIONS Immunohistochemistry
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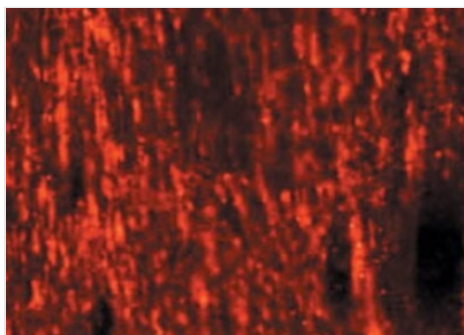
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Specificity	Recognizes Myelin Basic Protein in demyelinated nerve tissues. High specificity for lesioned rat spinal cord.
Purity/Purification	Serum
Form/Format	Supplied as a lyophilized powder. Reconstitute with 50ul of sterile ddH2O. Preservative free.
Applicable Applications for anti-Mbp antibody	IHC (Immunohistochemistry)
Application Notes	Suitable for use in Immunohistochemistry. Other applications not tested Dilution: Immunohistochemistry: 1:2000. Immunostains myelin basic protein of abnormal appearing oligodendrocytic processes and cell bodies in demyelinating areas. Recognizes only areas of myelin degeneration when tested in injured spinal cord and lesioned sciatic nerve. It also stains discrete white matter in brain of multiple system atrophy. Optimal dilution determined by the researcher.
Immunogen	Synthetic peptide corresponding to amino acids 69-86 of the guinea pig Myelin Basic Protein
Species Cross Reactivity	Human and Rat
Preparation and Storage	Lyophilized and reconstituted products are stable for 12 months after receipt at -20°C. Reconstitute with sterile ddH2O. Aliquot to avoid repeated freezing and thawing. Store at -20°C. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Further dilutions can be made in assay buffer.

IMAGES



IHC (Immunohistochemistry)

IHC staining of distal segment of ligated (7 days) sciatic nerve using AAA14716 at 1:2000 dilution.

ADDITIONAL INFORMATION

Related Product Information for anti-Mbp antibody	Myelin basic protein (MBP) is a single-chain, flexible polypeptide of about 18.5kD existing in its natural environment as an extrinsic and loosely bound component of the cytoplasmic portion of the myelin membrane sandwich. Ultrastructural immunocytochemistry with anti-myelin basic protein has shown that MBP is localized in the compact myelin sheath. MBP has not been demonstrated in rough endoplasmic reticulum, lysosomes or any other cytoplasmic organelles. MBP serves as a marker for oligodendrocytes and Schwann cells. MBP is also a marker for malignant schwannomas and appears to play a significant role in the etiology of multiple sclerosis and experimental autoimmune encephalomyelitis.
Product Categories/Family for anti-Mbp antibody	Antibodies; Abs to Myelin

NCBI AND UNIPROT INFORMATION

NCBI GI #	70166270
NCBI GeneID	24547
NCBI Accession #	NP_001020465.1
NCBI GenBank Nucleotide #	NM_001025294.1
UniProt Accession #	P02686; Q505J1; Q8R4K6; Q9Z1J4; Q9Z1J5; Q9Z1J6; P02688; Q5XFW1
NCBI Official Full Name	myelin basic protein isoform 4
NCBI Official Synonym Full Names	myelin basic protein
NCBI Official Symbol	Mbp
NCBI Official Synonym Symbols	Mbps
NCBI Protein Information	Golli-Mbp; myelin basic protein; MBP S; myelin basic protein S; myelin basic protein Golli-mbp; Golli-Mbp; myelin basic protein; myelin basic protein S
UniProt Protein Name	Myelin basic protein S
UniProt Gene Name	Mbp
UniProt Entry Name	MBP_RAT

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://www.aaabiotech.com/polyclonal/myelin-basic-protein-degraded-antibody-immunohistochemistry-elisa/14716>