

Anti-Myelin basic protein (MBP) Antibody



Product Details

Available Variants	50 µL (SKU:C-1383-50)
Conjugate	Unconjugated
Isotype	IgY
Host Species	Chicken
Format	Affinity purified IgY preparation
Physical State	Lyophilized
Buffer	Lyophilized IgY preparation, with sodium azide.
Applications	ICC, IHC, WB
Dilution Ranges	WB: 1:5000-1:10000 IHC: 1:500-1:1000 ICC: 1:500-1:1000
Species Reactivity	Bovine, Human, Mouse, Rat
Immunogen	Three peptide sequences conserved in higher vertebrate MBP protein.
Specificity	The specificity of this antibody has been confirmed by WB. This antibody stains a prominent band at approx. 20 kDa. A suitable control tissue is rat spinal cord or peripheral nerve homogenate. The major isoforms of MBP run as a closely spaced double of 22 kDa and 18 kDa. Hu, rat, Ms, Bov. Predicted to react with other mammalian tissues due to sequence homology.
Molecular Weight	20 kDa. Major isoforms of MBP run as a closely spaced double of 22 kDa and 18 kDa
Storage	Spin vial briefly before opening. Reconstitute with 50 µL sterile-filtered, ultrapure water. Centrifuge to remove any insoluble material. After reconstitution of lyophilized antibody, aliquot and store at -20°C for a higher stability. Avoid freeze-thaw cycles.

UniProt ID	<u>P02686</u>
Country of Origin	United States
Shipping	25°C (ambient)
Expiration	12 months after date of receipt (unopened vial).
Usage Statement	For research use only.

Product Images

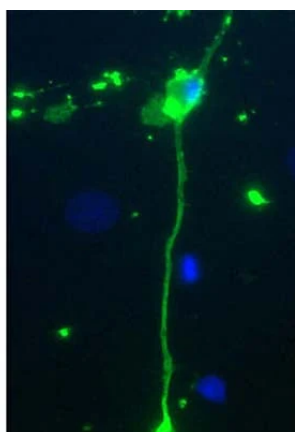
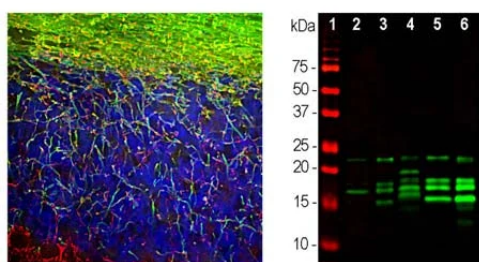


Image shows rat mixed neuron/glia cultures stained with Chicken polyclonal antibody to Myelin Basic Protein antibody C-1383-50 (green). Blue is a DNA stain. Note that the antibody stains an oligodendrocyte and some membrane shed from this cell. Other cells in the field include neurons, astrocytes, microglia and fibroblasts, all of which are completely negative.



Left: Analysis of MBP expression in rat brain cerebellum by **Immunohistochemistry** with chicken anti-MBP antibody (1:5,000, green). Section was co-stained with rabbit antibody to NF-L (R-1392-50, 1:5,000, red). The MBP antibody stains oligodendrocytes and myelin sheathes around axons, while the NF-L antibody labels dendrites and axons of neuronal cells. **Right: Western blot** analysis of tissue lysates with chicken antibody to MBP (1:10,000). [1] protein standard, [2] rat brain, [3] rat spinal cord, [4] rat sciatic nerve, [5] mouse brain, [6] mouse spinal cord. Multiple bands between 14-22 kDa correspond to various alternate transcripts of the single MBP gene.

Product Page URL: www.antibodiesinc.com/products/anti-myelin-basic-protein-mbp-antibody-c-1383-50

