

# Product Datasheet

## MBP Antibody - BSA Free NBP2-29656

Unit Size: 0.1 ml

Store at -20C. Avoid freeze-thaw cycles.

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**NBP2-29656**

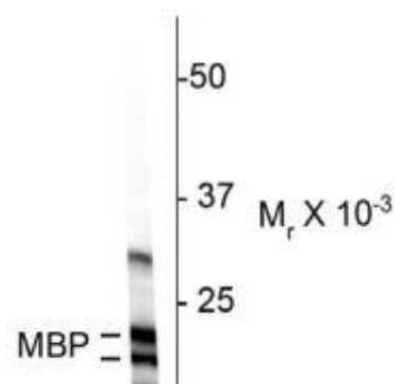
MBP Antibody - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.07% Sodium Azide
Isotype	IgY
Purity	IgY purified
Buffer	PBS
Target Molecular Weight	18 kDa
Product Description	
Description	Recommended that the undiluted antibody be aliquoted into smaller working volumes (10-30 uL/vial depending on usage).
Host	Chicken
Gene ID	4155
Gene Symbol	MBP
Species	Human, Mouse, Rat, Bovine
Reactivity Notes	It is expected that the antibody will react in other mammalian tissues.
Marker	Oligodendrocyte Marker, Myelin Marker
Specificity/Sensitivity	Specific for endogenous levels of the ~18 kDa & ~22 kDa myelin basic protein.
Immunogen	Three peptide sequences conserved in higher vertebrate MBP proteins. Accession # P02688
Notes	Chicken products cannot be exported to Canada.
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:5000, Immunohistochemistry 1:500 - 1:5000, Immunocytochemistry/ Immunofluorescence 1:500

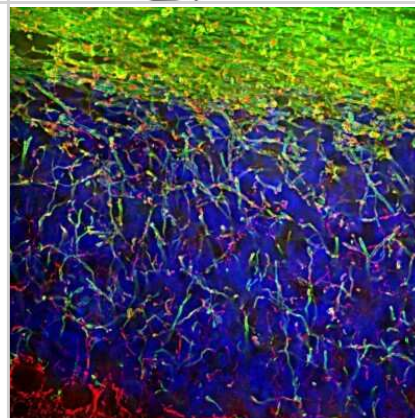


## Images

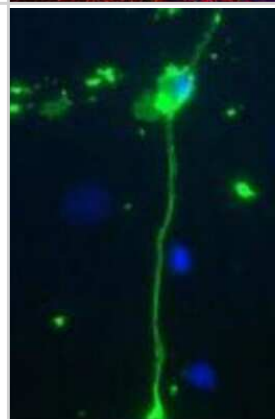
Western Blot: MBP Antibody [NBP2-29656] - rat cortex homogenate showing specific immunolabeling of the ~ 18 & 22k MBP protein.



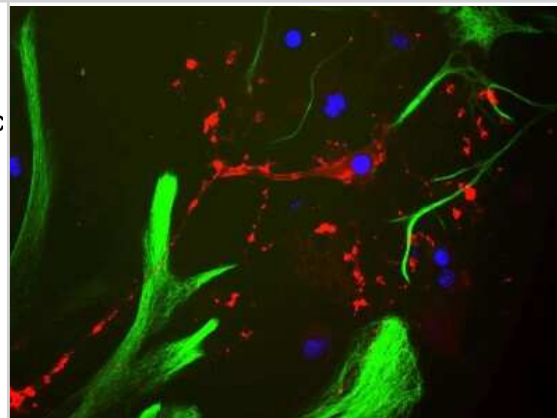
Immunocytochemistry/Immunofluorescence: MBP Antibody [NBP2-29656] - Immunofluorescence of a section of rat cerebellum showing specific labeling of myelin basic protein (1:5000, green) in the oligodendrocytes and myelin sheathes around axons. The section is colabeled with Anti-NFL (red) labeling dendrites and axons of neuronal cells. The blue stains nuclear DNA.



Immunocytochemistry/Immunofluorescence: MBP Antibody [NBP2-29656] - Rat mixed neuron/glia cultures stained with chicken anti-Myelin Basic Protein (green). Blue is a DNA stain. Note that the Myelin Basic Protein 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.



Immunocytochemistry/Immunofluorescence: MBP Antibody [NBP2-29656] - Immunostaining of cultured neonatal rat neurons and glia stained with anti-myelin basic protein antibody (red, 1:500). The blue stain is to identify nuclear DNA. Note the antibody stains the myelin basic protein located in oligodendrocyte and myelin sheathes around axons in the cells.





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### **Products Related to NBP2-29656**

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BAF010	Goat anti-Chicken IgY Secondary Antibody [Biotin]
NB7276	Goat anti-Chicken IgM Heavy Chain Secondary Antibody
NBP2-23253	Recombinant Human MBP His Protein
210-TA-005	TNF-alpha [Unconjugated]

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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