

Product Datasheet

MBP Antibody - BSA Free NBP2-50035

Unit Size: 0.1 ml

Store at 4C.

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NBP2-50035

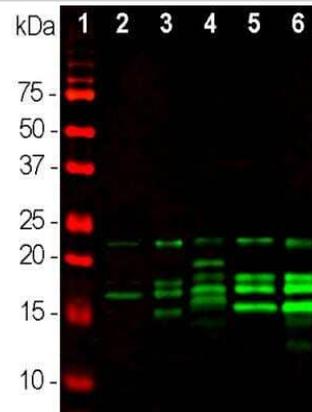
MBP Antibody - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgY
Purity	IgY purified
Buffer	Supplied as a concentrated total IgY preparation from egg yolk, dialyzed against PBS with added preservative.
Product Description	
Description	<p>This antibody is supplied as a concentrated total IgY preparation derived from egg yolk. Production involves an initial organic extraction to remove lipids and lipoproteins, followed by salt fractionation of the aqueous phase to precipitate and enrich the IgY fraction. The material is then extensively dialyzed against PBS, and preservative is added during final formulation.</p> <p>Please note that the exact concentration of target-specific IgY cannot be determined, as the final preparation contains both antigen-specific IgY and non-immune IgY.</p>
Host	Chicken
Gene ID	4155
Gene Symbol	MBP
Species	Human, Mouse, Rat, Porcine, Bovine
Immunogen	Purified myelin basic protein isolated from bovine brain. [UniProt# P02687]
Notes	Chicken products cannot be exported to Canada.
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:10000, Immunohistochemistry 1:5000, Immunocytochemistry/ Immunofluorescence 1:2000
Application Notes	In Western blot, this antibody recognizes all four CNS isotypes of rat MBP with bands at 21.5 kDa, 18.5kDa, 17kDa and 14kDa. Disclaimer note: The observed molecular weight of the protein may vary from the listed predicted molecular weight due to post translational modifications, post translation cleavages, relative charges, and other experimental factors.

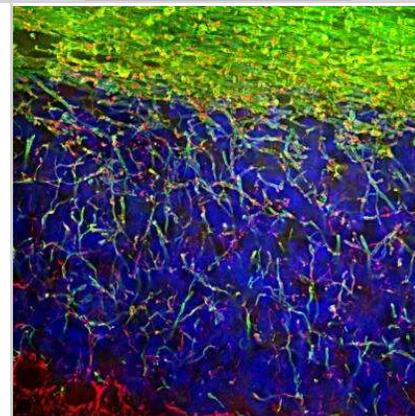


Images

Western Blot: MBP Antibody [NBP2-50035] - Analysis of different tissue lysates using chicken pAb to MBP, NBP2-50035, dilution 1:10,000 in green: [1] protein standard (red), [2] rat brain, [3] rat spinal cord, [4] rat sciatic nerve, [5] mouse brain, and [6] mouse spinal cord. Multiple bands between 14-21.5kDa correspond to various alternate transcripts of the single MBP gene.



Immunohistochemistry: MBP Antibody [NBP2-50035] - Analysis of rat brain cerebellum section stained with chicken pAb to Myelin Basic Protein (MBP), NBP2-50035, dilution 1:5,000 in green, and costained with rabbit pAb to NF-L, NBP1-05218, dilution 1:5,000 in red. The MBP antibody stains oligodendrocytes and myelin sheathes around axons. NBP1-05218 antibody labels dendrites and axons of neuronal cells.



Publications

Huang Y, Wu L, Zhao Y, Guo J et al. Schwann cell promotes macrophage recruitment through IL-17B/IL-17RB pathway in injured peripheral nerves Cell Rep 2024-02-11 [PMID: 38341853]

Sun Y, Winters A, Wang L et al. Metabolic Heterogeneity of Cerebral Cortical and Cerebellar Astrocytes Life (Basel, Switzerland) 2023-01-08 [PMID: 36676133] (WB, Mouse)

Details:

Dilution used in WB 1:5,000



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Products Related to NBP2-50035

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
BAF010	Goat anti-Chicken IgY Secondary Antibody [Biotin]
NB7276	Goat anti-Chicken IgM Heavy Chain Secondary Antibody
NBP2-22654	Recombinant E. coli MBP His Protein

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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