

Product Datasheet

MBP Antibody (2H9) - BSA Free NBP2-22121

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP2-22121

MBP Antibody (2H9) - BSA Free

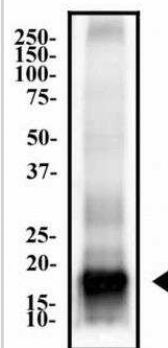
Product Information	
Unit Size	0.1 ml
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	2H9
Preservative	0.03% Sodium Azide
Isotype	IgG1
Purity	Ammonium sulfate precipitation
Buffer	PBS
Target Molecular Weight	33 kDa

Product Description	
Host	Mouse
Gene ID	4155
Gene Symbol	MBP
Species	Human, Mouse
Reactivity Notes	Mouse reactivity reported by customer review.
Marker	Oligodendrocyte Marker, Myelin Marker
Immunogen	Purified recombinant fragment of human Myelin Basic Protein expressed in E. coli. [UniProt# P02686]

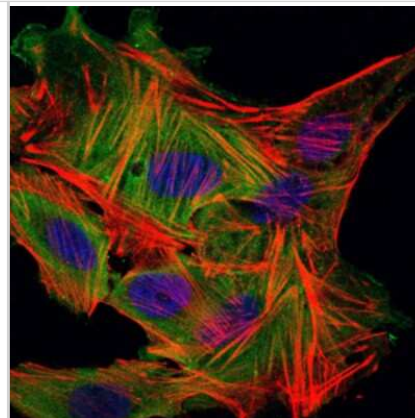
Product Application Details	
Applications	Western Blot, ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:500-1:2000, Flow Cytometry 1:200-1:400, ELISA 1:10000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:200-1:1000, Immunohistochemistry-Paraffin 1:200-1:1000, Immunohistochemistry-Frozen reported by customer review

Images

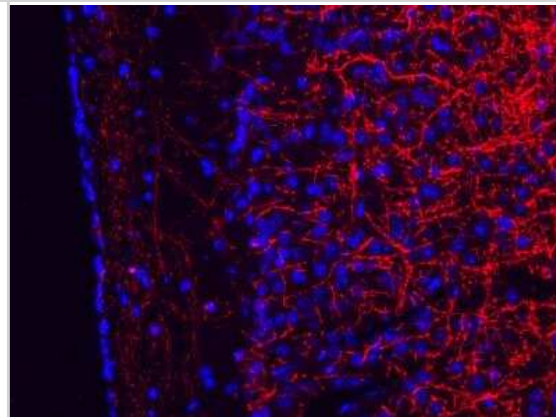
Western Blot: MBP Antibody (2H9) [NBP2-22121] - Total human brain lysate was separated by SDS-PAGE on a 12% gel and transferred to PVDF membrane. The membrane was then probed with anti-MBP antibody at 2 ug/mL and detected using an anti-mouse HRP labeled secondary antibody and chemiluminescent substrate.



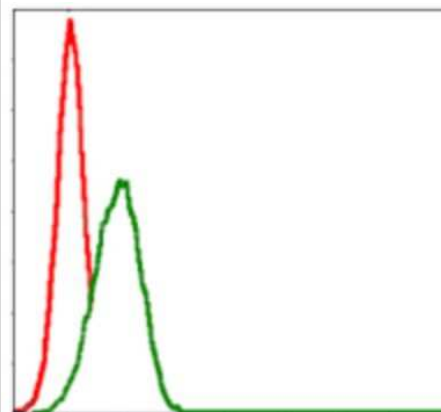
Immunocytochemistry/Immunofluorescence: Myelin Basic Protein Antibody (2H9) [NBP2-22121] - Immunofluorescence analysis of MSCS cells using Myelin Basic Protein mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



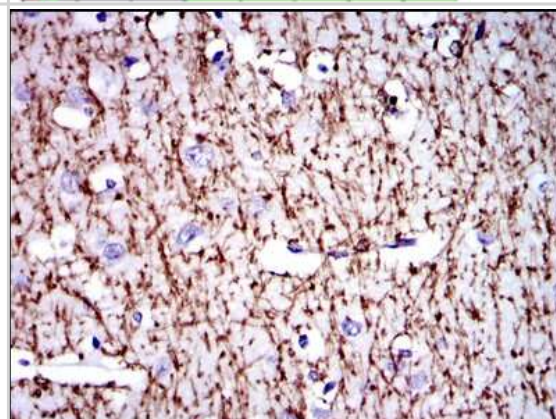
Immunohistochemistry-Frozen: MBP Antibody (2H9) [NBP2-22121] - Mouse brain cryosections were stained with anti-MBP (1:400) and anti-mouse Alexa Fluor 555 IgG. Staining specific, hardly any background. Magnification 1:20. Image from verified customer review.



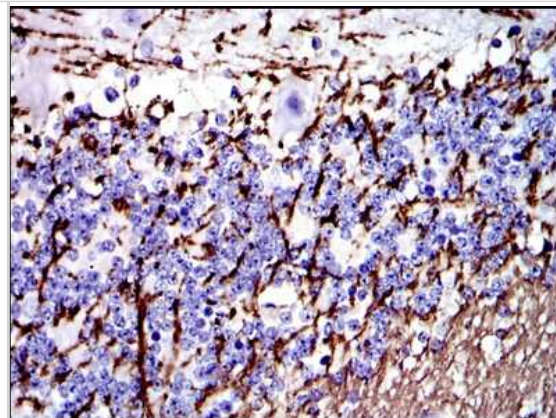
Flow Cytometry: Myelin Basic Protein Antibody (2H9) [NBP2-22121] - Flow cytometric analysis of HepG2 cells using Myelin Basic Protein mouse mAb (green) and negative control (red).



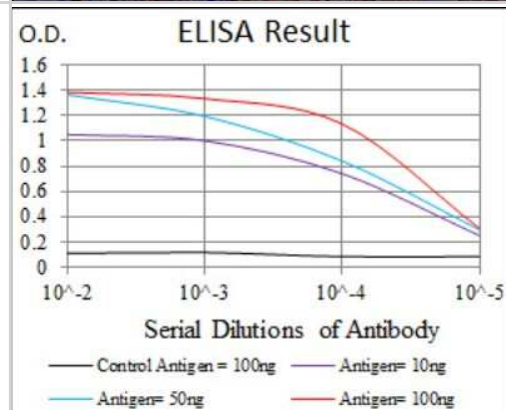
Immunohistochemistry-Paraffin: Myelin Basic Protein Antibody (2H9) [NBP2-22121] - Immunohistochemical analysis of paraffin-embedded brain tissues using Myelin Basic Protein mouse mAb with DAB staining.



Immunohistochemistry-Paraffin: Myelin Basic Protein Antibody (2H9) [NBP2-22121] - Immunohistochemical analysis of paraffin-embedded cerebellum tissues using Myelin Basic Protein mouse mAb with DAB staining.



ELISA: Myelin Basic Protein Antibody (2H9) [NBP2-22121] - Red: Control Antigen (100ng); Purple: Antigen (10ng); Green: Antigen (50ng); Blue: Antigen (100ng).



Publications

Linnerbauer M, Beyer T, Nirschl L et al. PD-L1 positive astrocytes attenuate inflammatory functions of PD-1 positive microglia in models of autoimmune neuroinflammation Nat Commun 2023-09-09 [PMID: 37689786]

Linnerbauer M, Löfflein L, Farrenkopf D et al. Astrocyte-Derived Pleiotrophin Mitigates Late-Stage Autoimmune CNS Inflammation Frontiers in Immunology 2022-01-03 [PMID: 35046956] (In vivo assay)

Holloway RK, Zhang L, Molina-Gonzalez I et al. Localized microglia dysregulation impairs central nervous system myelination in development Acta neuropathologica communications 2023-03-22 [PMID: 36949514] (IHC-P, Human)

Mozafari S, Starost L, Manot-Saillet B, Garcia-Diaz B Multiple sclerosis iPSC-derived oligodendroglia conserve their intrinsic properties to functionally interact with axons and glia in vivo Sci Adv 2020-12-05 [PMID: 33277253]

Ruhela D, Bhopale VM, Kalakonda S et al. Astrocyte-derived microparticles initiate a neuroinflammatory cycle due to carbon monoxide poisoning Brain Behav Immun Health 2021-12-01 [PMID: 34917988] (FLOW, Mouse)

Schmitt C, Lechanteur A, Cossais F et al. Liposomal Encapsulated Curcumin Effectively Attenuates Neuroinflammatory and Reactive Astrogliosis Reactions in Glia Cells and Organotypic Brain Slices International Journal of Nanomedicine 2020-05-25 [PMID: 32547020] (IF/IHC, Mouse)



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Products Related to NBP2-22121

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NBP2-23253	Recombinant Human 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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