

# MBP Polyclonal Antibody

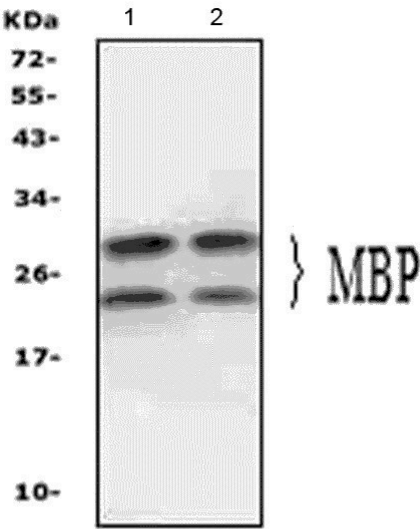
Product Details	
Size	100 µg
Species Reactivity	Human, Mouse, Rat
Published Species	Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Myelin Basic Protein (182-197aa KLGGDRSRSGSPMARR).
Form	Lyophilized
Concentration	500 µg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS with 5mg BSA
Contains	0.05mg sodium azide, 0.05mg thimerosal
Storage conditions	-20°C
RRID	AB_2746757

Applications	Tested Dilution	Publications
Western Blot (WB)	0.1-0.5 µg/mL	1 Publication
Immunohistochemistry (Paraffin) (IHC (P))	0.5-1 µg/mL	-

## Product Specific Information

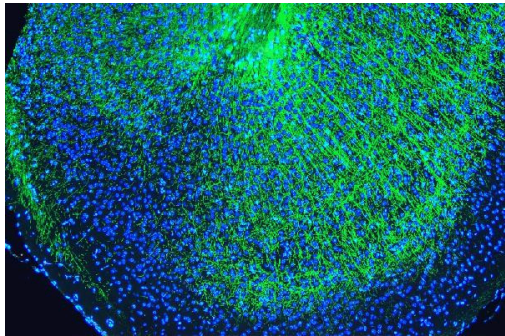
Reconstitute with 0.2 mL of distilled water to yield a concentration of 500 µg/mL.

Product Images For MBP Polyclonal Antibody



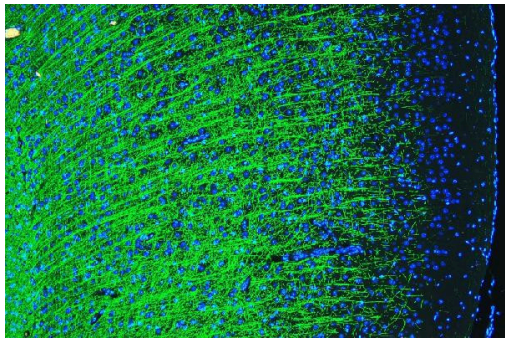
**MBP Antibody (PA5-79642) in WB**

Western blot analysis of MBP in, Lane 1: mouse brain tissue lysates, Lane 2: rat brain tissue lysates, . Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50 µg of sample under reducing conditions. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. The membrane was blocked with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with MBP Polyclonal Antibody (Product # PA5-79642) at 0.5 g/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit. A specific band was detected for MBP at approximately 17-33KD. The expected band size for MBP is at 17-33KD.



**MBP Antibody (PA5-79642) in IHC (P)**

Immunohistochemical analysis of MBP in paraffin-embedded section of mouse brain tissues. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution ) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2g/mL rabbit anti-MBP antibody (Product # PA5-79642) overnight at 4°C. Biotin conjugated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using DyLight®488 Conjugated Avidin . The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



**MBP Antibody (PA5-79642) in IHC (P)**

Immunohistochemical analysis of MBP in paraffin-embedded section of rat brain tissues. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution ) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2g/mL rabbit anti-MBP antibody (Product # PA5-79642) overnight at 4°C. Biotin conjugated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37° C. The tissue section was developed using DyLight®488 Conjugated Avidin .The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.

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Western Blot (1)

Neurophysiology	Year 2022
<b>Serum Levels of the Biomarkers Associated with Astrocytosis, Neurodegeneration, and Demyelination: Neurological Benefits of Citicoline Treatment of Patients with Ischemic Stroke and Atrial Fibrillation.</b>	Species Human
<p>"PA5-79642 was used in Western Blotting to show the effects of citicoline therapy on the levels of circulating neurospecific protein markers in serum of the patients with ischemic stroke and atrial fibrillation."</p> <p>Authors: Kuryata OV,Kushnir YS,Nedzvetsky VS,Korsa VV,Tykhomyrov AA</p>	

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