MBP Polyclonal Antibody

Product Details	
Size	100 µg
Species Reactivity	Human, Mouse, Rat
Published Species	Zebrafish, Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Residues 49-62 of human, mouse and rat MBP protein.
Form	Liquid
Concentration	1 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS
Contains	0.02% sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2140360

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:1,000	-
Immunohistochemistry (IHC)	-	1 Publication
Immunohistochemistry (Paraffin) (IHC (P))	1:100-1:200	-
Immunocytochemistry (ICC/IF)	1:10-1:500	1 Publication
ELISA (ELISA)	1:100-1:2,000	-

Product Specific Information

The PA1-46447 immunogen corresponds to residues 49-62 of Isoforms 5 and 6 of the human protein.

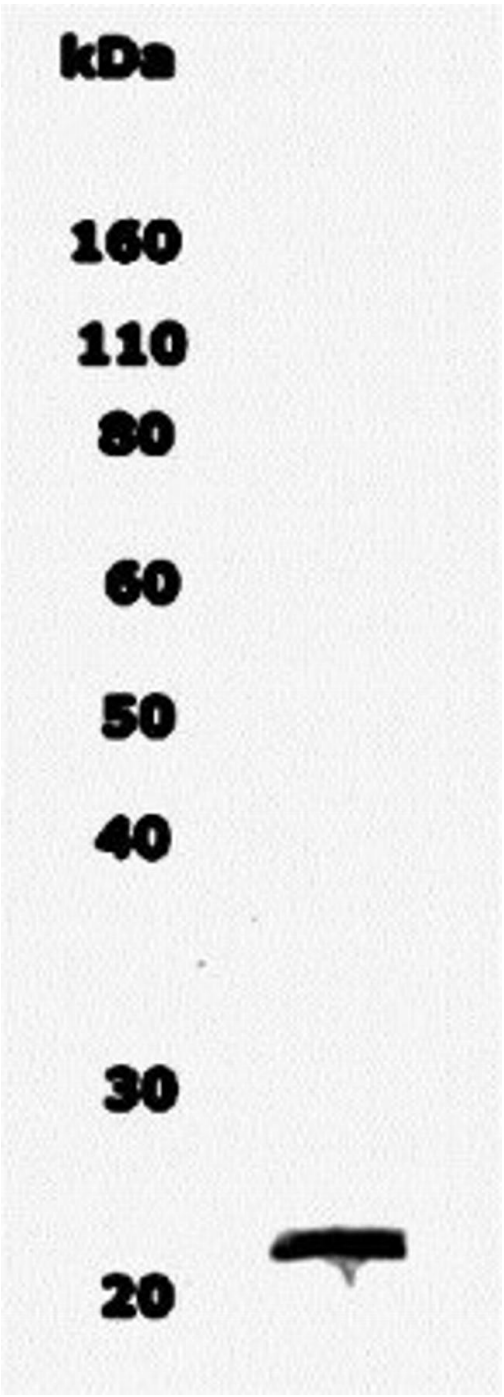
The immunogen corresponds to Isoform 1 between amino acids 182-195 of the 33 kDa isoform.

This antibody also detects mouse and rat MBP protein.Suggested positive control: normal human brain lysate.

Product Images For MBP Polyclonal Antibody

MBP Antibody (PA1-46447) in WB
Western blot analysis of MBP in 0.5 mg/mL Human Brain lysate. Samples were incubated in MBP polyclonal antibody (Product # PA1-46447). This experiment was performed under reducing conditions using the 12-230 kDa separation system.


kDa
230
180
116
66
40
12



MBP Antibody (PA1-46447) in WB
Western blot analysis of MBP in 10 µg normal brain lysate. Samples were incubated in MBP polyclonal antibody (Product # PA1-46447) using a dilution of 1:500.

2 References

Immunohistochemistry (1)

Journal of neuroscience research

Effect of modulating glutamate signaling on myelinating oligodendrocytes and their development-A study in the zebrafish model.

"PA1-46447 was used in Immunohistochemistry to suggest that glutamate signaling may provide novel targets to therapeutically boost remyelination in several demyelinating diseases of the CNS."

Authors: Turan F,Yilmaz Ö,Schünemann L,Lindenberg TT,Kalanithy JC,Harder A,Ahmadi S,Duman T,MacDonald RB, Winter D,Liu C,Odermatt B

Year
2021

Species
Zebrafish

Dilution
1:200

Immunocytochemistry (1)

ACS applied materials & interfaces

Development of an In Vitro Biomimetic Peripheral Neurovascular Platform.

"PA1-46447 was used in Immunocytochemistry-immunofluorescence to propose a protocol to form mature neurovascular (NV) tissue, via the integration of independent neural and vascular constituents."

Authors: Malheiro A,Seijas-Gamardo A,Harichandan A,Mota C,Wieringa P,Moroni L

Year
2022

Species
Human

Dilution
1:50