

Anti-MBP Antibody (8X293)

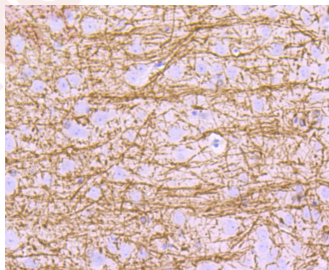
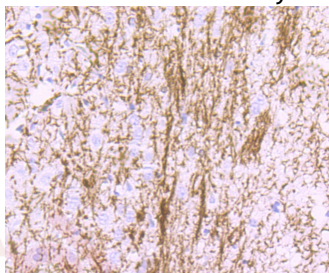
Product Details

Ig Type:	IgG
Reactivity:	Human
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 33/21/19 kDa.
Clone:	8X293
Purification:	ProA affinity purified

Applications

Verified Activity:

1. Immunohistochemical analysis of paraffin-embedded rat brain tissue using anti-Myelin Basic Protein antibody. Counter stained with hematoxylin.
2. Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-Myelin Basic Protein antibody. Counter stained with hematoxylin.



Application:	IHC,WB
Recommended	WB: 1:1000; IHC: 1:50-200

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein
Uniprot ID: P02686
Synonyms: Mbp;Shi;Myelin A1 protein;Myelin basic protein

Research Background

Myelin basic protein (MBP) is the major extrinsic membrane protein of central nervous system myelin. MBP phosphorylation at Threonine 125 is a complex regulatory process that modulates the contribution of MBP to the stability of the myelin sheath. Mitogen-activated protein kinases modulate MBP phosphorylation during myelinogenesis and in the demyelinating disease multiple sclerosis. MBP phosphorylation is regulated by high-frequency stimulation but not low-frequency stimulation of the alveus, the myelinated output fibers of the hippocampus. It is proposed that during periods of increased neuronal activity, calcium activates axonal nitric oxide synthase, which generates the intercellular messengers nitric oxide and superoxide and regulates the phosphorylation state of MBP by MAPK.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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