Anti-Myelin Basic Protein Antibody
NH-R-0943

Product Type:	Recombinant Rabbit monoclonal IgG, primary antibodies
Species reactivity:	Human, Mouse, Rat
Applications:	IF-Tissue Clearing
Clone number:	JF0943

Description:	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 activ ity, calcium activates axonal nitric oxide synthase, which generates the intercellular messengers nitric oxide and superoxide and regulates the phosphorylation state of MBP by MAPK.
Immunogen:	Recombinant protein within Human Myelin Basic Protein aa 121-304 / 304.
Positive control:	Mouse brain tissue.
Subcellular location:	Myelin membrane, Nucleus.
Recommended Dilutions:	
IF-Tissue Clearing	1:200
Adaptive Clearing kit	Tissue clearing kit（Hydrophilic）（Cat#:NH-CR-210701）、 Enhanced Tissue clearing kit(Cat#:NH-CR-230701)
Storage Buffer:	1*TBS(pH7.4), 0.05% BSA, 40% Glycerol. Preservative:0.05% Sodium Azide.
Storage I nstruction:	Store at +4℃ after thawing. Aliquot store at -20℃ or -80℃. Avoid repeated freeze / thaw cycles.
Purity:	Protein A affinity purified

Images

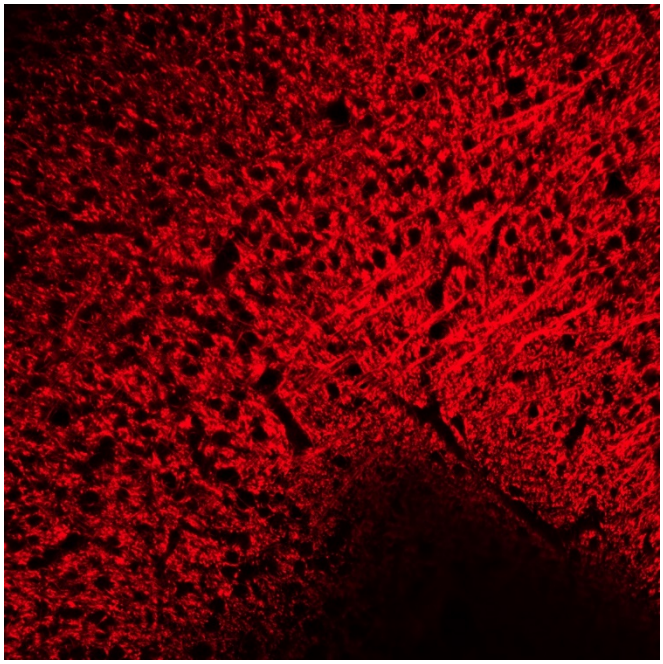

Fig1: Immunofluorescence analysis of fresh mouse brain tissue labeling Myelin Basic Protein Recombinant Rabbit Monoclonal Antibody (NH-R-0943) at 1/200 dilution.

The section was treated with Enhanced Tissue clearing kit(Cat#:NH-CR-230701), the tissues were blocked for 2 hours at 4℃, and then probed with the primary antibody (NH-R-0943, 1/200) overnight at 4℃, washed with PBS. Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) was used as the secondary antibody at 1/200 dilution. Image acquisition was performed with Zeiss 980.