

MBP polyclonal antibody

Catalog: BS62262

Host: Rabbit

Reactivity: Human,Mouse,Rat

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 myelogenesis and in the demyelinating disease multiple sclerosis. MBP phosphorylation is regulated by high-frequency stimulation but not low-frequency stimulation of the axons, 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.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 18 kDa

Swiss-Prot:

P02686

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

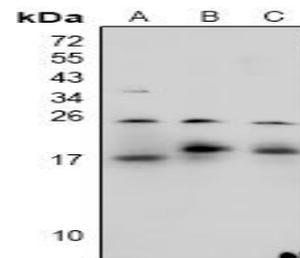
WB:1:500~1:1000

Storage&Stability:

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

Specificity:

MBP polyclonal antibody detects endogenous levels of MBP protein.

DATA:

Western blot (WB) analysis of MBP polyclonal antibody at 1:500 dilution

LaneA:U-87MG whole cell lysate

LaneB:The Brain tissue lysate of Mouse

LaneC:The Brain tissue lysate of Rat

Note:

For research use only, not for use in diagnostic procedure.

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