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34-1072: Monoclonal Antibody to Myelin Basic Protein, MBP(Clone: 7G7)

Clonality: Monoclonal

Clone Name: 7G7

Application: WB, IF/ICC, IHC

Reactivity: Human, Rat, Mouse, Cow, Pig, Horse

Gene : MBP
Gene ID : 4155
Uniprot ID : P02686
Format : Ascites

Alternative Name: Myelin A1 protein, Myelin membrane encephalitogenic protein

Isotype: Mouse, lgG1

Immunogen Information : Purified myelin basic protein isolated from cow nerve.

Product Info

Amount : 50 μl / 100 μl

Content: Antibody is supplied as an aliquot of 1mg/ml of affinity purified antibody or ascites fluid.

Storage condition : Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid

repeated freeze and thaw cycles.

Application Note

WB: 1:10,000 -1:20,000. IF/ICC and IHC: 1:2,000-5,000.

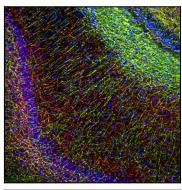


Figure-1: Immunofluorescent analysis of rat hippocampal section stained with mouse mAb to myelin basic protein (MBP),(34-1072), dilution 1:5,000 in green, and costained with rabbit pAb to neurofilament NF-H, (34-1078), dilution 1:2,000, in red. The MBP antibody stains oligodendrocyte cell bodies and the myelin sheathes around axons, while the NF-H antibody labels the axons themselves.

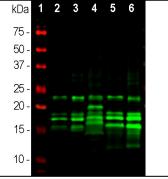


Figure-2: Western blot analysis of different tissue lysates using mouse mAb to MBP,(34-1072), dilution 1:20,000 in green: [1] protein standard (red), [2] rat brain, [3] rat spinal cord, [4] rat sciatic nerve, [5] mouse brain, [6] mouse spinal cord. Multiple bands at 14kDa, 17kDa, 18.5kDa to 21.5kDa are the alternate transcripts of MBP. Other bands are proteolytic fragments of the MBP protein.