

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, IgG1
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.

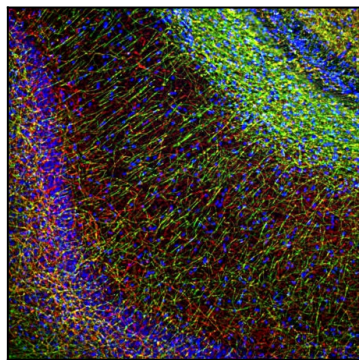


Figure-1: Immunofluorescent analysis of rat hippocampal section stained with mouse mAb to myelin basic protein (MBP), (34-1072), dilution 1:5,000 in green, and costained with rabbit pAb to neurofilament NF-H, (34-1078), dilution 1:2,000, in red. The MBP antibody stains oligodendrocyte cell bodies and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

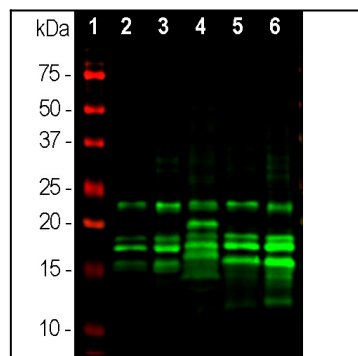


Figure-2: Western blot analysis of different tissue lysates using mouse mAb to MBP, (34-1072), dilution 1:20,000 in green: [1] protein standard (red), [2] rat brain, [3] rat spinal cord, [4] rat sciatic nerve, [5] mouse brain, [6] mouse spinal cord. Multiple bands at 14kDa, 17kDa, 18.5kDa to 21.5kDa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