

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

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	7G7
<b>Application :</b>	WB, IF/ICC, IHC
<b>Reactivity :</b>	Human, Rat, Mouse, Cow, Pig, Horse
<b>Gene :</b>	MBP
<b>Gene ID :</b>	4155
<b>Uniprot ID :</b>	P02686
<b>Format :</b>	Ascites
<b>Alternative Name :</b>	Myelin A1 protein, Myelin membrane encephalitogenic protein
<b>Isotype :</b>	Mouse, IgG1
<b>Immunogen Information :</b>	Purified myelin basic protein isolated from cow nerve.

### Product Info

<b>Amount :</b>	50 µl / 100 µl
<b>Content :</b>	Antibody is supplied as an aliquot of 1mg/ml of affinity purified antibody or ascites fluid.
<b>Storage condition :</b>	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.

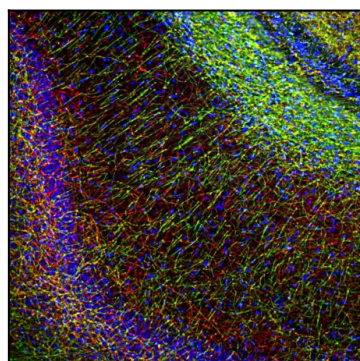


Figure-1: Immunofluorescent analysis of rat hippocampal section stained with mouse mAb to myelin basic protein (MBP), (34-1072), dilution 1:5,000 in green, and costained with rabbit pAb to neurofilament NF-H, (34-1078), dilution 1:2,000, in red. The MBP antibody stains oligodendrocyte cell bodies and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

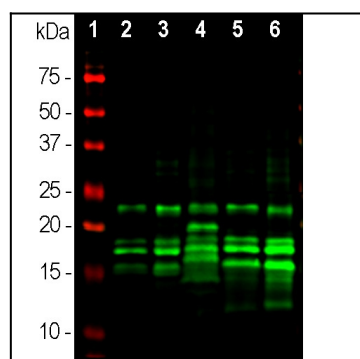


Figure-2: Western blot analysis of different tissue lysates using mouse mAb to MBP, (34-1072), dilution 1:20,000 in green: [1] protein standard (red), [2] rat brain, [3] rat spinal cord, [4] rat sciatic nerve, [5] mouse brain, [6] mouse spinal cord. Multiple bands at 14kDa, 17kDa, 18.5kDa to 21.5kDa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