

9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982

Email: info@abeomics.com

34-1073: Monoclonal Antibody to Myelin Basic Protein, MBP(Clone: 7D2)

Clonality: Monoclonal

Clone Name: 7D2

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 ascites fluid

Storage condition:

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

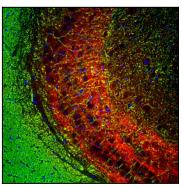


Figure-1: Immunofluorescent analysis of rat brain hippocampal section stained with mouse mAb to myelin basic protein (MBP),(34-1073), dilution 1:5,000 in green, and costained with rabbit pAb to NF-M, (34-1086), dilution 1:2,000, in red. The MBP antibody stains myelin sheathes around axons, while the NF-M antibody labels dendrites and axons of neuronal cells.

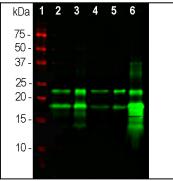


Figure-2: Western blot analysis of different tissue lysates using mouse mAb to MBP,(34-1073), dilution 1:10,000 in green: [1] protein standard (red), [2] rat brain, [3] rat spinal cord, [4] mouse brain, [5] mouse spinal cord, [6] cow spinal cord. Bands at 21.5kDa and 18.5kDa are the two larger transcripts from the MBP gene, showing that the epitope of this antibody depends on the sequence encoded by exon 2.