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34-1076: Monoclonal Antibody to Neurofilament NF-H (Clone: 9B12)

Clonality :	Monoclonal
Clone Name :	9B12
Application :	WB, IF/ICC, IHC
Reactivity :	Human, Rat, Mouse
Gene :	NEFH
Gene ID :	4744
Uniprot ID :	P12036
Format :	Ascites
Alternative Name :	200 kDa neurofilament protein,Neurofilament triplet H protein
Isotype :	Mouse, IgG2b
Immunogen Information :	Native NF-H purified from bovine spinal cord.

Product Info

Amount :	50 µl / 100 µl
Content :	Antibody is supplied as an aliquot of of 1 mg/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. ICC/IF and IHC: 1:1,000

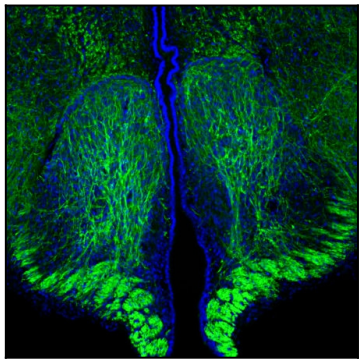

Figure-1: Immunohistological analysis of a rat brain coronal section of the third ventricle stained with mouse monoclonal antibody to phosphorylated NF-H, (34-1076), dilution 1:5,000 in green. The blue is Hoechst staining of nuclear DNA. Following transcardial perfusion with 4% paraformaldehyde, brain was post fixed for 24 hours, cut to 45Î¼M, and free-floating sections were stained with above antibody. The (34-1076) antibody is a robust marker of the axons of neuronal cells.

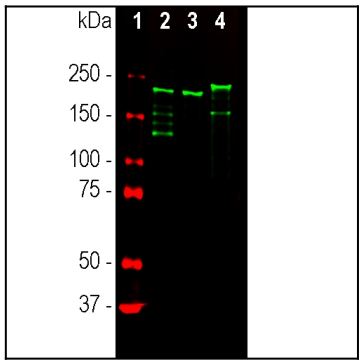

Figure-2: Western blot analysis of different tissue lysates using mouse mAb to NF-H,(34-1076), dilution 1:10,000 in green: [1] protein standard, [2] rat spinal cord [3] mouse spinal cord, and [4] cow spinal cord. Strong band at about 200-220kDa corresponds to the major phosphorylated form of the NF-H subunit. Smaller proteolytic fragments of NF-H are also detected in some preparations.