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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:

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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: 1:10,000. ICC/IF and IHC: 1:1,000

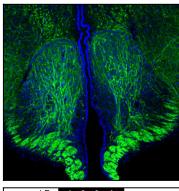


Figure-1: Immunohistological analysis of a rat brain coronal section of the third ventricle stained with mouse monoclonal antibody to phosphorylated NF-H, (34-1076), dilution 1:5,000 in green. The blue is Hoechst staining of nuclear DNA. Following transcardial perfusion with 4% paraformaldehyde, brain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

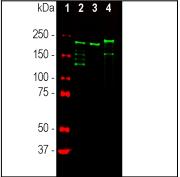


Figure-2: Western blot analysis of different tissue lysates using mouse mAb to NF-H,(34-1076), dilution 1:10,000 in green: [1] protein standard, [2] rat spinal cord [3] mouse spinal cord, and [4] cow spinal cord. Strong band at about 200-220kDa corresponds to the major phosphorylated form of the NF-H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