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34-1077: Monoclonal Antibody to Neurofilament NF-H (Clone: NAP4)

Clonality :	Monoclonal
Clone Name :	NAP4
Application :	WB, IF/ICC, IHC
Reactivity :	Human, Rat, Mouse, Cow, Pig, Horse, Chicken
Gene :	NEFH
Gene ID :	4744
Uniprot ID :	P12036
Format :	Ascites
Alternative Name :	200 kDa neurofilament protein,Neurofilament triplet H protein
Isotype :	Mouse, IgG1
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 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. IF/ICC and IHC: 1:1,000.

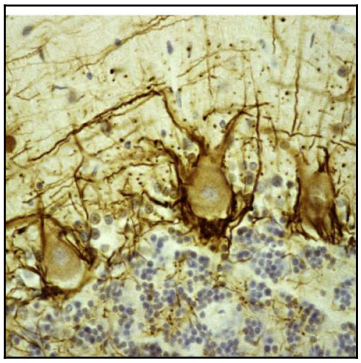

Figure-1: Immunohistological analysis of human cerebellar cortex section stained with mouse mAb to pNF-H, (34-1077), in brown. Paraffin-embedded, formalin-fixed tissue sections were stained with this antibody using the avidin biotin conjugate method. The sections was counterstained with Hematoxylin in blue. (34-1077) stains prominent basket cell axons surrounding the large Purkinje neurons. Cerebellar granule cell layer is at the bottom of the image, the molecular layer at the top.

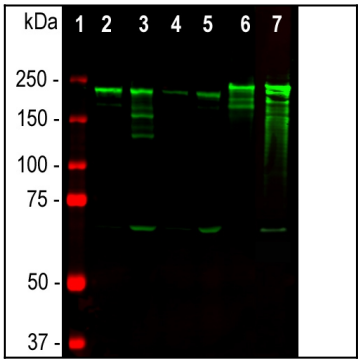

Figure-2: Western blot analysis of tissue lysates using mouse mAb to NF-H, (34-1077), dilution 1:10,000 in green: [1] protein standard (red), [2] rat brain, [3] rat spinal cord, [4] mouse brain, [5] mouse spinal cord, [6] pig spinal cord, [7] cow spinal cord. Strong band at about 200-220 kDa corresponds to the major phosphorylated from of the NF-H subunit. A minor band at about 160 kDa is the non-phosphorylated NF-H. Smaller proteolytic fragments of NF-H are also detected in spinal cord preparations with (34-1077) antibody.