

34-1078: Polyclonal Antibody to Neurofilament NF-H

Clonality :	Polyclonal
Application :	WB, IF/ICC, IHC
Reactivity :	Human, Rat, Mouse, Cow, Pig, Horse
Gene :	NEFH
Gene ID :	4744
Uniprot ID :	P12036
Format :	Sera
Alternative Name :	200 kDa neurofilament protein, Neurofilament triplet H protein
Isotype :	Rabbit, IgG
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 serum
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: 1:10,000-25,000. ICC/IF and IHC: 1:1,000-5,000.

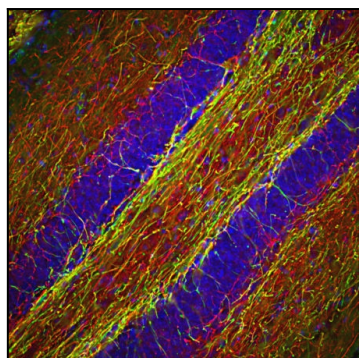


Figure-1: Immunohistological analysis of a mouse hippocampus section stained with rabbit pAb to NF-H,(34-1078), dilution 1:2,000 in red, and costained with mouse mAb to myelin basic protein (MBP),(34-1072), dilution 1:5,000 in green. The blue is DAPI staining of nuclear DNA. Following transcardial perfusion with 4% paraformaldehyde, brain was post fixed for 24 hours, cut to 45µM, and free-floating sections were stained with above antibodies. The NF-H antibody labels a network of axons of different neurons, while the MBP antibody stains myelin sheath around these axons.

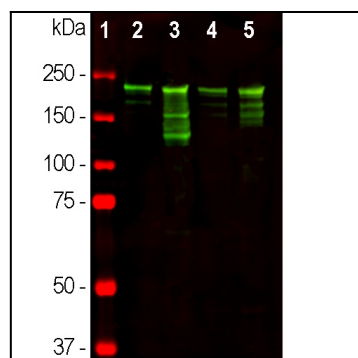


Figure-2: Western blot analysis of different tissue lysates using rabbit pAb to NF-H,(34-1078), dilution 1:10,000 in green: [1] protein standard (red), [2] rat brain, [3] rat spinal cord [4] mouse brain, and [5] mouse spinal cord lysate. Strong band at about 220kDa corresponds to the phosphorylated axonal form of the NF-H subunit. Smaller proteolytic fragments of NF-H are also detected with(34-1078) antibody.