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34-1080: Polyclonal Antibody to Neurofilament NF-H

Clonality: Polyclonal

Application: WB, IF/ICC, IHC, ELISA

Reactivity: Human, Rat, Mouse, Cow, Pig, Dog, Horse

 Gene :
 NEFH

 Gene ID :
 4744

 Uniprot ID :
 P12036

Format: Conc. IgY prep.

Alternative Name: 200 kDa neurofilament protein, Neurofilament triplet H protein

Isotype: Chicken, IgY

Immunogen Information: Native NF-H purified from bovine spinal cord.

Product Info

Amount : 25 μl / 50 μl

Content: Antibody is supplied as an aliquot of concentrated IqY prep.

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: 1:20,000-1:50,000. IF/ICC, IHC: 1:20,000.

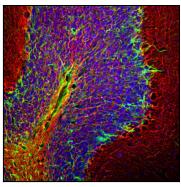


Figure-1: Immunohistological analysis of a rat cerebellum section stained with chicken pAb to NF-H, (34-1080), dilution 1:5,000 in red, and costained with rabbit pAb to GFAP,(34-1042), dilution 1:5,000 in green. The blue is DAPI staining of nuclear DNA. Following transcardial perfusion with 4% paraformaldehyde, brain was post fixed for 24 hours, cut to 45 μ M, and free floating sections were stained with above antibodies. The NF-H antibody labels network of axons of different neurons, while the GFAP antibody stains astrocytes and other glial cells.

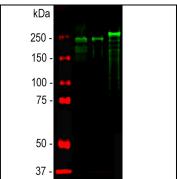


Figure-2: Western blot analysis of spinal cord lysates from different species using chicken pAb to NF-H, (34-1080), dilution 1:20,000 in green: [1] protein standard (red), [2] rat, [3] mouse, and [4] cow spinal cord. Strong band at about 200-220kDa corresponds to the phosphorylated from of NF-H. The protein from different species is known to have different SDS-PAGE molecular weights, with large species generally expressing larger proteins. Smaller proteolytic fragments of NF-H are also detected in spinal cord preparations with this antibody. The antibody does not recognize non-phosphorylated forms of NF-H (not shown, but see reference 1).