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34-1084: Polyclonal Antibody to Neurofilament NF-L

Clonality: Polyclonal Application: WB, IF/ICC, IHC

Reactivity: Human, Rat, Mouse, Cow, Pig

 Gene :
 NEFL

 Gene ID :
 4747

 Uniprot ID :
 P07196

 Format :
 Conc. Id

Format: Conc. IgY prep.

Alternative Name: 68 kDa neurofilament protein,Neurofilament triplet L protein

Isotype: Chicken, IgY

Immunogen Information: Pig full length protein purified from spinal cord

Product Info

Amount : 50 μl / 100 μl

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

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: 1:5,000. IF/ICC and IHC: 1:2,000.

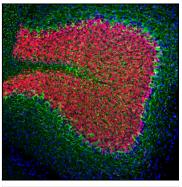


Figure-1: Immunofluorescent analysis of rat cerebellum section stained with chicken pAb to NF-L,(34-1084), dilution 1:2,000 in green, and costained with mouse mAb to FOX3/NeuN,(34-1035), dilution 1:5,000 in red. Following transcardial perfusion of rat with 4% paraformaldehyde, brain was post fixed for 24 hours, cut to $451\frac{1}{4}$ M, and free-floating sections were stained with above antibodies. (34-1084) antibody labels perikarya and processes of neuronal cells, particularly strongly the axons of basket cells, while the FOX3/NeuN antibody stains the nuclei and proximal cytoplasm of neurons.

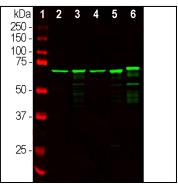


Figure-2: Western blot analysis of tissue lysates probed with chicken pAb to NF-L,(34-1084), dilution 1:20,000 in green: [1] protein standard (red), [2] rat brain, [3] rat spinal cord, [4] mouse brain, [5] mouse spinal cord and [6] cow spinal cord. Strong bands at \sim 68kDa corresponds to NF-L proteins which are known to have slightly different apparent SDS-PAGE molecular weights across species boundaries.