

### 34-1084: Polyclonal Antibody to Neurofilament NF-L

<b>Clonality :</b>	Polyclonal
<b>Application :</b>	WB, IF/ICC, IHC
<b>Reactivity :</b>	Human, Rat, Mouse, Cow, Pig
<b>Gene :</b>	NEFL
<b>Gene ID :</b>	4747
<b>Uniprot ID :</b>	P07196
<b>Format :</b>	Conc. IgY prep.
<b>Alternative Name :</b>	68 kDa neurofilament protein, Neurofilament triplet L protein
<b>Isotype :</b>	Chicken, IgY
<b>Immunogen Information :</b>	Pig full length protein purified from spinal cord

#### Product Info

<b>Amount :</b>	50 µl / 100 µl
<b>Content :</b>	Antibody is supplied as an aliquot of concentrated IgY prep.
<b>Storage condition :</b>	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.

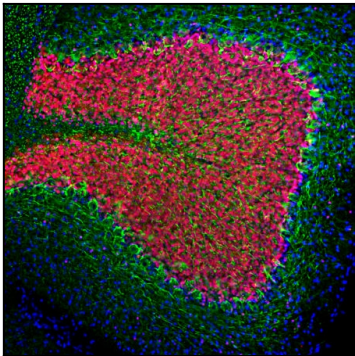


Figure-1: Immunofluorescent analysis of rat cerebellum section stained with chicken pAb to NF-L,(34-1084), dilution 1:2,000 in green, and costained with mouse mAb to FOX3/NeuN,(34-1035), dilution 1:5,000 in red. Following transcordial perfusion of rat with 4% paraformaldehyde, brain was post fixed for 24 hours, cut to 45µm, 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.

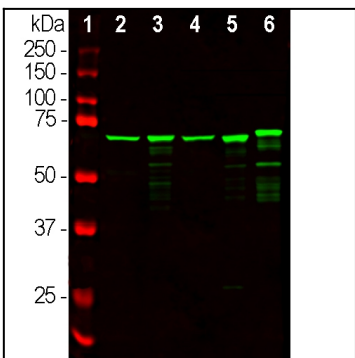


Figure-2: Western blot analysis of tissue lysates probed with chicken pAb to NF-L,(34-1084), dilution 1:20,000 in green: [1] protein standard (red), [2] rat brain, [3] rat spinal cord, [4] mouse brain, [5] mouse spinal cord and [6] cow spinal cord. Strong bands at ~68kDa corresponds to NF-L proteins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