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34-1081: Monoclonal Antibody to Neurofilament NF-L (Clone: DA2)

Clonality :	Monoclonal
Clone Name :	DA2
Application :	WB, IF/ICC, IHC
Reactivity :	Human, Rat, Mouse, Cow, Pig, Horse
Gene :	NEFL
Gene ID :	4747
Uniprot ID :	P07196
Format :	T.C. Sup.
Alternative Name :	68 kDa neurofilament protein,Neurofilament triplet L protein
Isotype :	Mouse, IgG1
Immunogen Information :	Enzymatically dephosphorylated pig full length protein

Product Info

Amount :	50 µl / 500 µl
Content :	Antibody is supplied as an aliquot of concentrated tissue culture supernatant.
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: 1:1,000

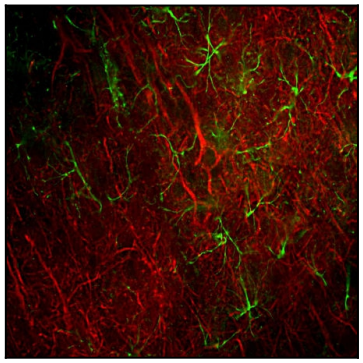

Figure-1: Immunofluorescent analysis of rat frontal cortex section stained with mouse mAb to NF-L, (34-1081), dilution 1:500 in red, and costained with chicken pAb to GFAP,(34-1046), dilution 1:5,000 in green. Following transcardial perfusion of rat with 4% paraformaldehyde, brain was post fixed for 24 hours, cut to 45Î¼M, and free-floating sections were stained with above antibodies. The (34-1081) antibody labels cell bodies and processes of pyramidal neurons, as well as dendrites and axons of other neuronal cells, while the GFAP antibody stains the network of glial cells.

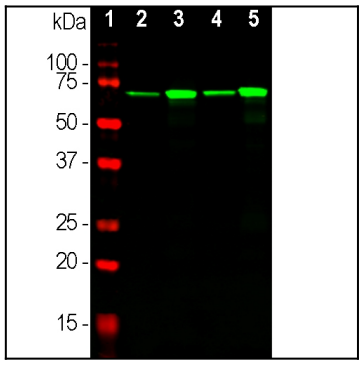

Figure-2: Western blot analysis of whole tissue lysates using mouse mAb to NF-L, (34-1081), dilution 1:5,000 in green: [1] protein standard (red), [2] rat brain, [3] rat spinal cord, [4] mouse brain, [5] mouse spinal cord. The strong band at 68-70kDa corresponds to the NF-L protein.