

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

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

### Product Info

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

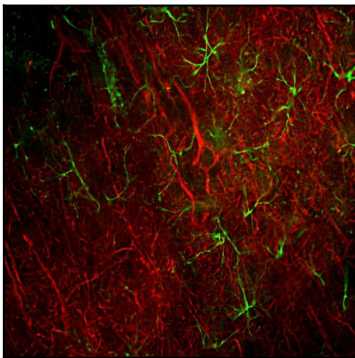


Figure-1: Immunofluorescent analysis of rat frontal cortex section stained with mouse mAb to NF-L, (34-1081), dilution 1:500 in red, and costained with chicken pAb to GFAP, (34-1046), dilution 1:5,000 in green. Following transcardial perfusion of rat with 4% paraformaldehyde, brain was post fixed for 24 hours, cut to 45µm, 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.

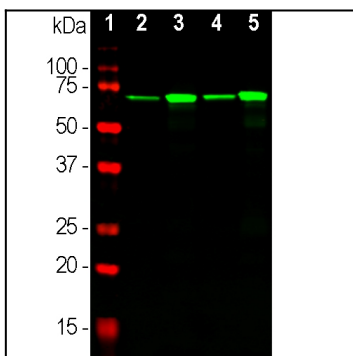


Figure-2: Western blot analysis of whole tissue lysates using mouse mAb to NF-L, (34-1081), dilution 1:5,000 in green: [1] protein standard (red), [2] rat brain, [3] rat spinal cord, [4] mouse brain, [5] mouse spinal cord. The strong band at 68-70kDa corresponds to the NF-L protein.