

34-1086: Polyclonal Antibody to Neurofilament NF-M

Clonality :	Polyclonal
Application :	WB, IF/ICC, IHC, ABC
Reactivity :	Human, Rat, Mouse, Cow, Pig, Horse, Chicken
Gene :	NEFM
Gene ID :	4741
Uniprot ID :	P07197
Format :	Sera
Alternative Name :	160 kDa neurofilament protein, Neurofilament 3, Neurofilament triplet M protein
Isotype :	Rabbit, IgG
Immunogen Information :	Recombinant fusion protein containing the extreme C-terminal segment of rat NF-M

Product Info

Amount :	50 µl / 100 µl
Content :	Antibody is supplied as an aliquot of serum
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: 1:1,000-5,000. IF/ICC and IHC: 1:1,000-1:2500. ABC: 1:5,000.

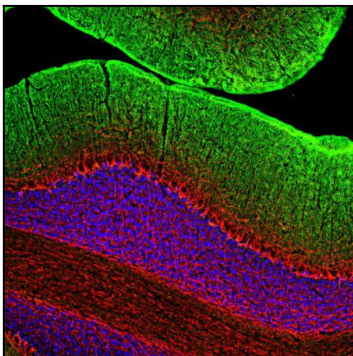


Figure-1: Immunofluorescent analysis of rat cerebellum section stained with rabbit pAb to NF-M, (34-1086), dilution 1:2,000 in red, and costained with mouse mAb to GAP43,(34-1013)4, dilution 1:2,000 in green. Following transcardial perfusion of rat with 4% paraformaldehyde, brain was post fixed for 24 hours, cut to 45µm, and free-floating sections were stained with the above antibodies. The (34-1086) antibody strongly labels neuronal processes throughout the cerebellum, while the GAP43 antibody stains predominantly synaptic regions in the molecular layer.

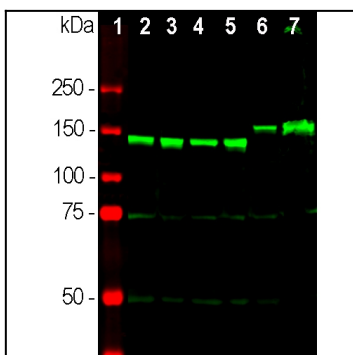


Figure-2: Western blot analysis of neuronal tissue lysates using rabbit pAb to NF-M, (34-1086), dilution 1:2,000 in green: [1] protein standard (red), [2] rat brain, [3] rat spinal cord, [4] mouse brain, [5] mouse spinal cord, [6] pig brain and [7] pig spinal cord. Strong bands at 145kDa correspond to rodent NF-M molecules, while the NF-M of pig and other larger mammals including humans run at about 160kDa.