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34-1054: Polyclonal Antibody to a-internexin/NF66

Clonality :	Polyclonal
Application :	ICC/IF,IHC,WB
Reactivity :	Human, Rat, Mouse, Cow, Pig, Horse
Gene :	INA
Gene ID :	9118
Uniprot ID :	Q16352
Format :	Conc. IgY prep.
Alternative Name :	66 kDa neurofilament protein,Neurofilament 5
Isotype :	Chicken, IgY
Immunogen Information :	Purified recombinant rat Alpha -internexin expressed in and purified from E. coli.

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

Western blot: 1:10,000. ICC/IF and IHC: 1:1,000.

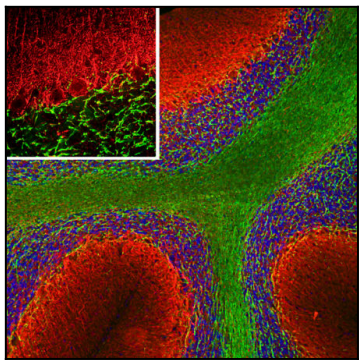

Figure-1: Immunofluorescent analysis of a rat cerebellum section stained with chicken pAb to α-internexin, (37-1054), dilution 1:5,000 in red, and costained with mouse mAb to MBP, 34-1072, 1:5,000 in green. The blue is Hoechst staining of nuclear DNA. Following transcardial perfusion of the rat with 4% paraformaldehyde, brain was post fixed for 24 hours, cut to 45µM, and free-floating sections were stained with the above antibodies. The α-internexin antibody selectively stains axons and dendrites of neuronal cells, in particular Purkinje cells, parallel fibers and the axons of granule cells, while the MBP antibody stains myelin sheathes around axons.

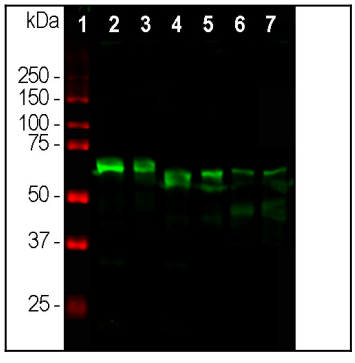

Figure-2: Western blot analysis of different tissue lysates using chicken pAb to α-Internexin, (34-1054), dilution 1:10,000 in green: [1] protein standard (red), [2] rat brain, [3] rat spinal cord, [4] mouse brain, [5] mouse spinal cord, [6] cow spinal cord and [7] pig spinal cord. 34-1054 antibody reveals the α-internexin protein with apparent molecular weight of 64 to 66kDa, with some variability among different species.