

## 34-1055: Polyclonal Antibody to $\alpha$ -internexin/NF66

<b>Clonality :</b>	Polyclonal
<b>Application :</b>	Western blot, ICC/IF, IHC
<b>Reactivity :</b>	Human, Rat, Mouse, Cow, Pig, Horse
<b>Gene :</b>	INA
<b>Gene ID :</b>	9118
<b>Uniprot ID :</b>	Q16352
<b>Format :</b>	Sera
<b>Alternative Name :</b>	66 kDa neurofilament protein, Neurofilament 5
<b>Isotype :</b>	Rabbit, IgG
<b>Immunogen Information :</b>	Purified recombinant rat Alpha -internexin expressed in and purified from E. coli.

### Product Info

<b>Amount :</b>	50 $\mu$ l / 100 $\mu$ l
<b>Content :</b>	Antibody is supplied as an aliquot of serum.
<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

Western blot: 1:10,000-1:20,000. ICC/IF and IHC: 1:500-1:1,000.

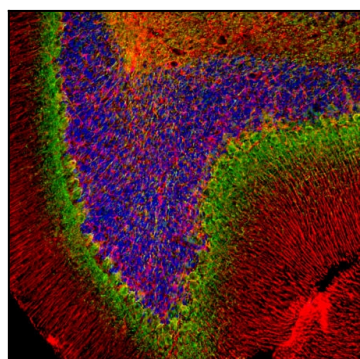


Figure-1: Immunofluorescent analysis of rat cerebellum section stained with rabbit pAb to  $\alpha$ -internexin, (34-1055), dilution 1:2,000, in green, and chicken pAb to GFAP, (34-1046), dilution 1:5,000, in red. Blue is DAPI staining of nuclear DNA. Following transcardial perfusion with 4% paraformaldehyde, brain was post fixed for 24 hours, cut to 45  $\mu$ m, and free-floating sections were stained with above antibodies. The  $\alpha$ -internexin antibody selectively stains axons and dendrites of neuronal cells, in particular Purkinje cells and parallel fibers the axons of granule cells. The GFAP antibody labels network of glial cells, such as astrocytes in the granule cell layer and white matter and Bergmann glia in the molecular layer.

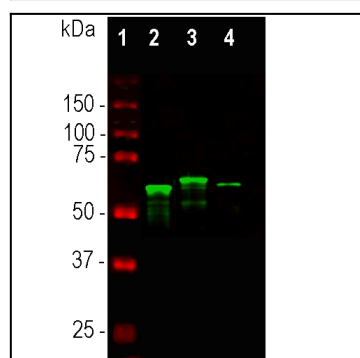


Figure-2: Western blot analysis of whole tissue lysates using rabbit pAb to  $\alpha$ -internexin, (34-1055), dilution 1:10,000 in green: [1] protein standard (red), [2] mouse spinal cord, [3] rat spinal cord, [4] bovine spinal cord. Major bands in the 64-66kDa range corresponds to  $\alpha$ -internexin. The  $\alpha$ -internexin protein from different species is known to vary slightly in SDS-PAGE molecular weight.