

## 34-1052: Monoclonal Antibody to $\alpha$ -internexin/NF66 (Clone: 1D2)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	1D2
<b>Application :</b>	WB, IF/ICC, IHC
<b>Reactivity :</b>	Human, Cat, Rat, Mouse
<b>Gene :</b>	INA
<b>Gene ID :</b>	9118
<b>Uniprot ID :</b>	Q16352
<b>Format :</b>	T.C. Sup.
<b>Alternative Name :</b>	66 kDa neurofilament protein, Neurofilament 5
<b>Isotype :</b>	Mouse, IgG1
<b>Immunogen Information :</b>	Purified recombinant rat Alpha -internexin expressed in and purified from E. coli.

### Product Info

<b>Amount :</b>	50 $\mu$ l / 500 $\mu$ l
<b>Content :</b>	Antibody is supplied as an aliquot of 1 mg/ml of affinity purified antibody or 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: 1:10,000. IF/ICC and IHC: 1:5,000.

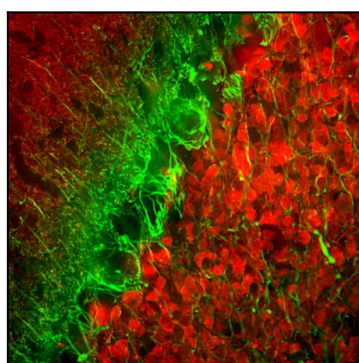


Figure-1: Immunofluorescent analysis of rat cerebellum section stained with mouse mAb to  $\alpha$ -internexin,(34-1052), dilution 1:5,000 in green, and costained with chicken pAb to calretinin, 1:2,000 in red. Following transcardial perfusion of rat with 4% paraformaldehyde, brain was post fixed for 24 hours, cut to 45 $\mu$ M, and free-floating sections were stained with the above antibodies. The  $\alpha$ -internexin antibody selectively stains neuronal processes, in particular parallel fibers, the axons of granule cells. Calretinin antibody stains interneurons predominantly in the molecular layer of the cerebellum.

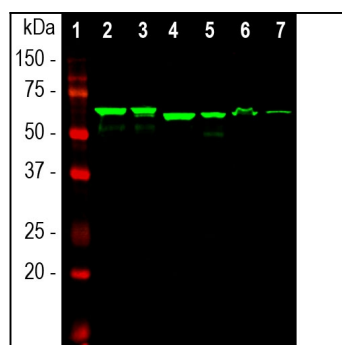


Figure-2: Western blot analysis of different tissue lysates using mouse mAb to  $\alpha$ -internexin,(34-1052), dilution 1:10,000 in green: [1] protein standard, [2] rat brain, [3] rat spinal cord, [4] mouse brain, [5] mouse spinal cord, [6] pig spinal cord and [7] cow spinal cord.(34-1052) antibody reveals the  $\alpha$ -internexin protein with apparent molecular weight of 64 to 66 kDa with slight variability among species.