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PRODUCT DATASHEET

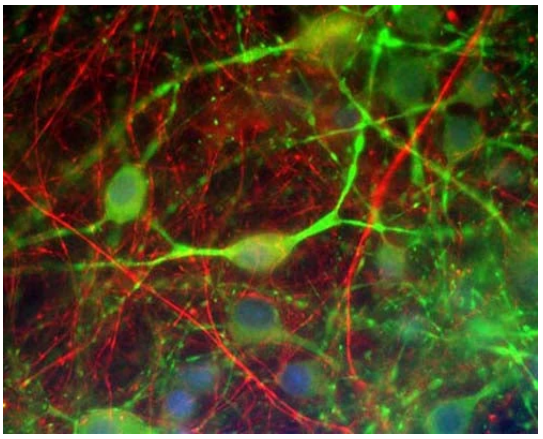
Anti-Internexin alpha (Alpha-Inx) Antibody

Product Details

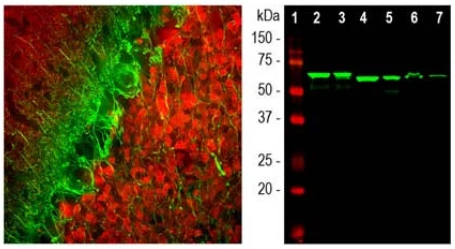
Available Variants	250 µg (SKU:M-1378-250)
Conjugate	Unconjugated
Isotype	IgG1
Clone	1D2
Host Species	Mouse
Format	IgG
Physical State	Lyophilized
Buffer	Lyophilized from PBS buffer pH 7.2-7.6 with 0.1% trehalose, and sodium azide
Production Notes	Protein G purified
Applications	ICC, IHC, WB
Dilution Ranges	WB: 1:5000-1:10000 IHC: 1:1000-1:5000 ICC: 1:250-1:500
Species Reactivity	Feline, Human, Mouse, Rat
Immunogen	Recombinant rat alpha-internexin expressed and purified from E. coli
Specificity	The specificity of this antibody has been confirmed by WB. This antibody is specific for the 64-66 kDa alpha-internexin protein. Molecular weight will depend on species. Hu, rat, Ms, Fel, and other mammals.
Molecular Weight	64-66 kDa
Storage	Spin vial briefly before opening. Reconstitute with 250 µL sterile-filtered, ultrapure water to achieve a 1 mg/mL concentration. Centrifuge to remove any insoluble material. After reconstitution of lyophilized antibody, aliquot and store at -20°C for a higher stability. Avoid freeze-thaw cycles.

UniProt ID	P23565
Country of Origin	United States
Shipping	25°C (ambient)
Expiration	12 months after date of receipt (unopened vial).
Usage Statement	For research use only.

Product Images



Mixed cultures of rat CNS cells stained with Mouse monoclonal antibody to Internexin alpha [1D2] M-1378-250 (red) and Chicken polyclonal antibody to Microtubule associated protein 2 C-1382-50 (green). The internexin alpha is localized primarily in neuronal axons in these cultures, while the perikarya and dendrites of neurons stain strongly for MAP2.



Left: Analysis of alpha-internexin expression in rat cerebellum with mouse antibody to alpha-internexin (1:5,000, green) by **Immunohistochemistry**. Co-staining was performed with chicken antibody to calretinin (C-1801-50, 1:2,000, red). IHC Method: Following transcardial perfusion of rat with 4% PFA, brain was post-fixed for 24 hours, cut to 45 um, and free-floating sections were stained. 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. **Right: Western blot** analysis of alpha-internexin expression in tissue lysates using mouse antibody to alpha-internexin (1:10,000, green): [1] protein standard, [2] rat brain, [3] rat spinal cord, [4] mouse brain, [5] mouse spinal cord, [6] pig spinal cord, [7] cow spinal cord. Alpha-internexin protein migrates on the gel with apparent molecular weight of 64 to 66 kDa with slight variability among species.