

# Product Datasheet

## alpha-Internexin Antibody (1D2) - BSA Free NB300-216

Unit Size: 0.5 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NB300-216**

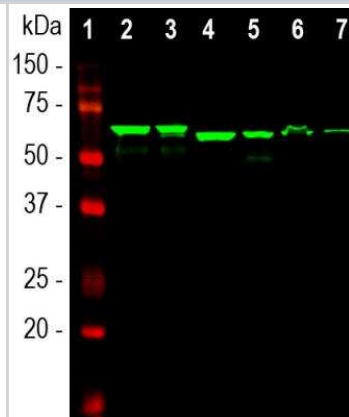
alpha-Internexin Antibody (1D2) - BSA Free

Product Information	
Unit Size	0.5 ml
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	1D2
Preservative	0.035% Sodium Azide
Isotype	IgG1
Purity	Affinity purified
Buffer	50% PBS, 50% glycerol
Target Molecular Weight	64-66 kDa
Product Description	
Description	Novus Biologicals Mouse alpha-Internexin Antibody (1D2) - BSA Free (NB300-216) is a monoclonal antibody validated for use in IHC, WB and ICC/IF. Anti-alpha-Internexin Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	9118
Gene Symbol	INA
Species	Human, Mouse, Rat, Feline
Reactivity Notes	Human and all mammalian species tested to date.
Marker	Immature Neuronal Marker
Immunogen	Purified recombinant rat alpha-internexin expressed in and purified from E. coli.
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry Free-Floating
Recommended Dilutions	Western Blot 1:10000, Immunohistochemistry 1:5000, Immunocytochemistry/ Immunofluorescence 1:5000, Immunohistochemistry Free-Floating 1:5000
Application Notes	This alpha Internexin antibody is useful for Immunohistochemistry-Paraffin and Western blot. A 64-66 kDa band can be seen in Western blotting.

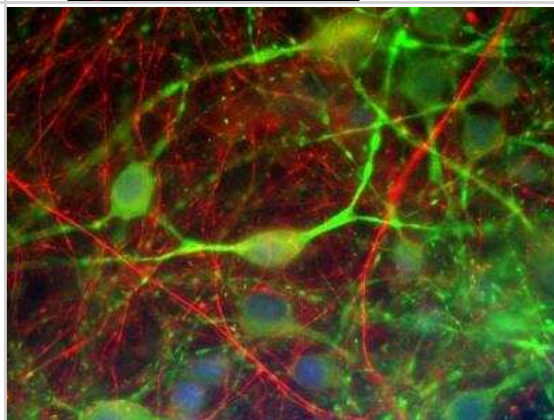


## Images

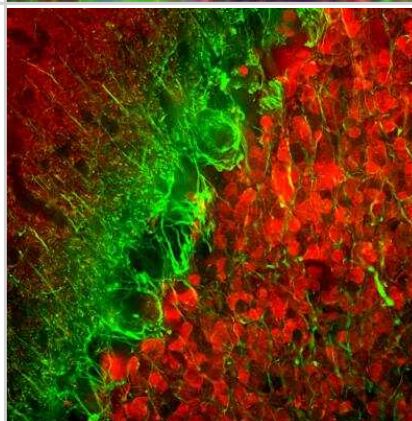
**Western Blot: alpha-Internexin Antibody (1D2) [NB300-216]** - Analysis of different tissue lysates using alpha-Internexin antibody, dilution 1:10,000 (Green): [1] protein standard, [2] rat brain, [3] rat spinal cord, [4] mouse brain, [5] mouse spinal cord, [6] pig spinal cord and [7] cow spinal cord. The alpha-Internexin antibody reveals the alpha-internexin protein with apparent molecular weight of 64 to 66 kDa with slight variability among species.



**Immunocytochemistry/Immunofluorescence: alpha Internexin Antibody (1D2) [NB300-216]** - Mixed cultures of rat CNS cells stained with NB300-216 (red) and chicken antibody to Microtubule associated protein 2 (MAP2- green). The a-internexin is localized primarily in neuronal axons in these cultures, while the perikarya and dendrites of neurons stain strongly for MAP2.



**Immunohistochemistry Free-Floating: alpha-Internexin Antibody (1D2) [NB300-216]** - Analysis of rat cerebellum section stained with alpha-internexin antibody, dilution 1:5,000 (Green), and costained with chicken Calretinin pAb, dilution 1:2,000 (Red). Following transcatheter perfusion of rat with 4% paraformaldehyde, brain was post fixed for 24hrs, cut to 45uM, 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.



## Publications

Yao F, Sumners C, O'Rourke ST et al. Angiotensin II increases GABAB receptor expression in nucleus tractus solitarius of rats. *Am J Physiol Heart Circ Physiol*; 294(6):H2712-2720. 2008-01-01 [PMID: 18424635] (IF/IHC, Rat)



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### **Products Related to NB300-216**

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
H00009118-P01-10ug	Recombinant Human alpha-Internexin GST (N-Term) Protein

### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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