

Product Datasheet

alpha-Internexin Antibody

NBP1-05208

Unit Size: 0.1 ml

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

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Updated 9/9/2025 v.20.1

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NBP1-05208**alpha-Internexin Antibody**

Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.035% Sodium Azide
Isotype	IgY
Purity	IgY purified
Buffer	Supplied as concentrated total IgY preparation from egg yolk. Exact concentration of target specific IgY is not quantifiable as the preparation contains both immune IgY specific for the target and also irrelevant, non-immune IgY.
Target Molecular Weight	65 kDa

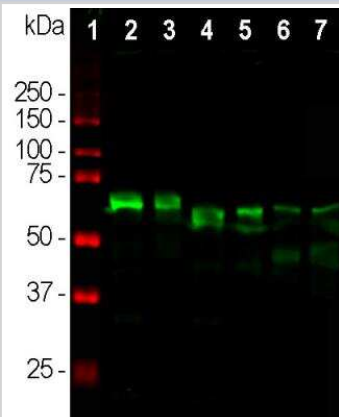
Product Description	
Description	Novus Biologicals Chicken alpha-Internexin Antibody (NBP1-05208) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Chicken
Gene ID	9118
Gene Symbol	INA
Species	Human, Mouse, Rat, Porcine, Bovine, Equine
Marker	Immature Neuronal Marker
Immunogen	Purified full length recombinant rat alpha-internexin expressed in and purified from E. coli.
Notes	Chicken products cannot be exported to Canada.

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry Free-Floating
Recommended Dilutions	Western Blot 1:10000, Immunohistochemistry 1:1000, Immunocytochemistry/ Immunofluorescence 1:1000, Immunohistochemistry Free-Floating 1:1000
Application Notes	This alpha Internexin antibody is useful for Immunocytochemistry/Immunofluorescence and Western blot, and Immunohistochemistry. In Western blot a band is observed at either 66 or 68 kDa in brain or spinal cord homogenate. The human protein runs at ~68kDa, while rat, mouse and other species run at ~66kDa. Minor bands at ~150kDa are probably covalent dimers, and bands at ~50kDa represent a-internexin breakdown products.

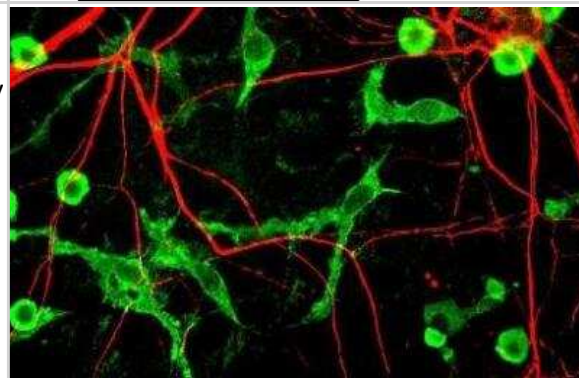


Images

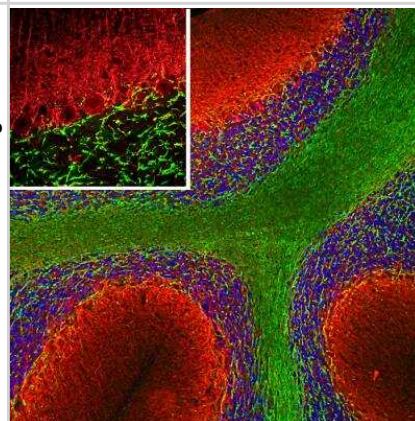
Western Blot: alpha-Internexin Antibody [NBP1-05208] - Western blot analysis of different tissue lysates using chicken pAb to alpha-Internexin, CPCA-a-Int, dilution 1:10,000 in green: (1) protein standard (red), (2) rat brain, (3) rat spinal cord, (4) mouse brain, (5) mouse spinal cord, (6) cow spinal cord and (7) pig spinal cord. CPCA-a-Int antibody reveals the alpha-internexin protein with apparent molecular weight of 64 to 66kDa, with some variability among different species.



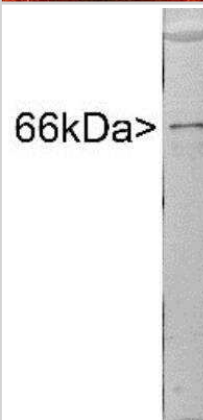
Immunocytochemistry/Immunofluorescence: alpha-Internexin Antibody [NBP1-05208] - Mixed neuron glia cultures stain with NBP1-05208 (red) and counterstained with RPCA-Cor1a, EnCor's rabbit polyclonal antibody to Coronin 1a, (green) which is an excellent marker of microglia and lymphocytes. The chicken internexin antibody is an excellent marker of neuronal processes in these cultures.



Immunohistochemistry Free-Floating: alpha-Internexin Antibody [NBP1-05208] - Analysis of a rat cerebellum section stained with chicken alpha-Internexin pAb, dilution 1:5,000 (red), and costained with mouse MBP mAb, 1:5,000 (Green). Following transcardial perfusion of the 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 axons and dendrites of neuronal cells, in particular Purkinje cells, parallel fibers and the axons of granule cells, while the MBP antibody stains myelin sheaths around axons.



Western Blot: alpha-Internexin Antibody [NBP1-05208] - Western blot of extract of rat brain stem crude extract stained with NBP1-05208, showing a single strong clean band at approx. 66kDa.





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Products Related to NBP1-05208

BAF010	Goat anti-Chicken IgY Secondary Antibody [Biotin]
NB7276	Goat anti-Chicken IgM Heavy Chain Secondary Antibody
H00009118-P01-10ug	Recombinant Human alpha-Internexin GST (N-Term) Protein
H00005555-P01-10ug	Recombinant Human PRH2 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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