

# 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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**NBP1-05208**

## alpha-Internexin Antibody

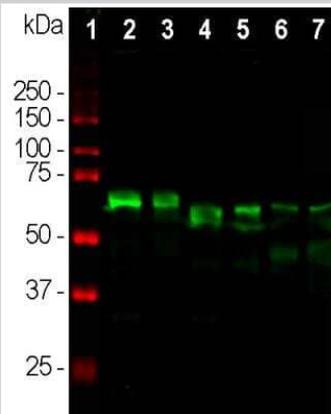
Product Information	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.035% Sodium Azide
<b>Isotype</b>	IgY
<b>Purity</b>	IgY purified
<b>Buffer</b>	Supplied as a concentrated total IgY preparation from egg yolk, dialyzed against PBS with added preservative.
<b>Target Molecular Weight</b>	65 kDa

Product Description	
<b>Description</b>	<p>This antibody is supplied as a concentrated total IgY preparation derived from egg yolk. Production involves an initial organic extraction to remove lipids and lipoproteins, followed by salt fractionation of the aqueous phase to precipitate and enrich the IgY fraction. The material is then extensively dialyzed against PBS, and preservative is added during final formulation.</p> <p>Please note that the exact concentration of target-specific IgY cannot be determined, as the final preparation contains both antigen-specific IgY and non-immune IgY.</p>
<b>Host</b>	Chicken
<b>Gene ID</b>	9118
<b>Gene Symbol</b>	INA
<b>Species</b>	Human, Mouse, Rat, Porcine, Bovine, Equine
<b>Marker</b>	Immature Neuronal Marker
<b>Immunogen</b>	Purified full length recombinant rat alpha-internexin expressed in and purified from E. coli.
<b>Notes</b>	Chicken products cannot be exported to Canada.

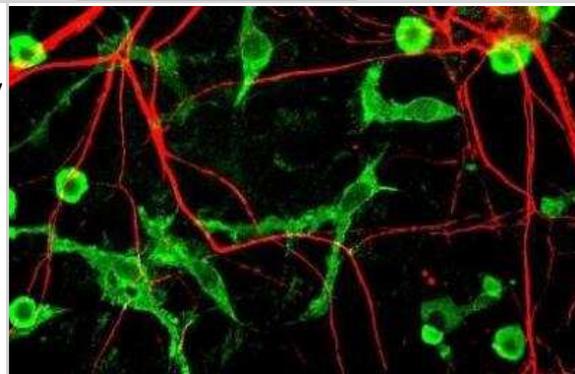
Product Application Details	
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry Free-Floating
<b>Recommended Dilutions</b>	Western Blot 1:10000, Immunohistochemistry 1:1000, Immunocytochemistry/ Immunofluorescence 1:1000, Immunohistochemistry Free-Floating 1:1000
<b>Application Notes</b>	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

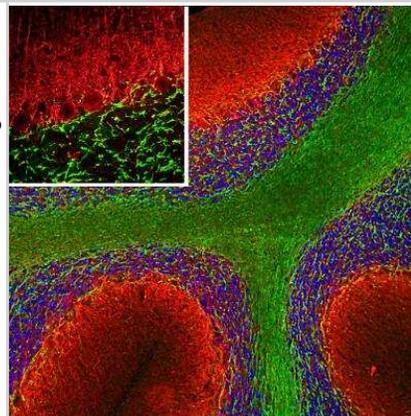
Western Blot: alpha-Internexin Antibody [NBP1-05208] - Western blot analysis of different tissue lysates using chicken pAb to alpha-Internexin, CPCA-a-Int, dilution 1:10,000 in green: (1) protein standard (red), (2) rat brain, (3) rat spinal cord, (4) mouse brain, (5) mouse spinal cord, (6) cow spinal 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.



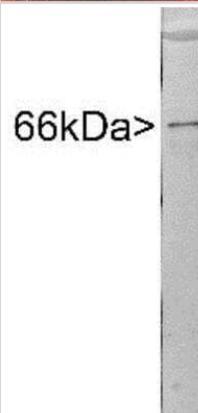
Immunocytochemistry/Immunofluorescence: alpha-Internexin Antibody [NBP1-05208] - Mixed neuron glia cultures stain with NBP1-05208 (red) and counterstained with RPCA-Cor1a, EnCor's rabbit polyclonal antibody to Coronin 1a, (green) which is an excellent marker of microglia and lymphocytes. The chicken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

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
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

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### **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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