

# Product Datasheet

## CHRND Antibody (88B) NB120-2804

Unit Size: 100uL

Store at -20C. Avoid freeze-thaw cycles.

[www.novusbio.com](http://www.novusbio.com)



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### Publications: 4

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Updated 9/9/2025 v.20.1

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**NB120-2804**

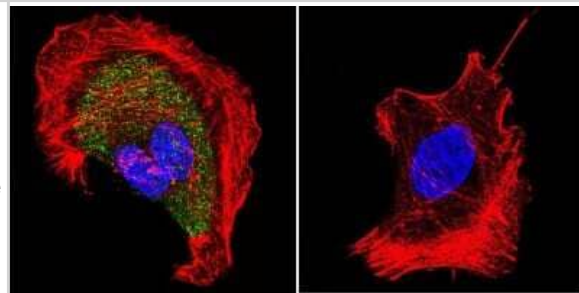
CHRND Antibody (88B)

Product Information	
Unit Size	100uL
Concentration	This product is unpurified. The exact concentration of antibody is not quantifiable.
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	88B
Preservative	0.05% Sodium Azide
Isotype	IgG1
Purity	Unpurified
Buffer	Ascites
Product Description	
Description	Novus Biologicals Mouse CHRND Antibody (88B) (NB120-2804) is a monoclonal antibody validated for use in IHC, WB, ICC/IF and IP. Anti-CHRND Antibody: Cited in 4 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	1144
Gene Symbol	CHRND
Species	Human, Mouse, Rat, Amphibian, Chicken, Fish
Reactivity Notes	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Additional Mouse on Mouse blocking steps may be required for IHC and ICC experiments. Please contact Technical Support for more information.
Specificity/Sensitivity	Detects nicotinic acetylcholine receptor (nAChR) gamma and delta subunits in torpedo and the delta subunit in mouse, rat, frog and chicken. Does not detect the alpha 1 and beta 1 subunits.
Immunogen	Purified Torpedo californica acetylcholine receptor.
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunoprecipitation
Recommended Dilutions	Western Blot 1:5000, Immunohistochemistry 1:1000, Immunocytochemistry/Immunofluorescence 1:20 - 100, Immunoprecipitation 1:10 - 1:500, Immunohistochemistry-Paraffin 1:1000, Immunohistochemistry-Frozen 1:1000
Application Notes	WB: Detects an approx. 60 kDa protein representing the gamma subunit and a 65 kDa protein representing the delta subunit from torpedo skeletal muscle homogenates. Under non-reducing conditions the delta subunit migrates mostly as a dimer of ~130 kDa. IHC: Staining of nAChR in rat skeletal muscle results in strong staining of the motor endplate. Cryostat or permeabilization of the sections is recommended due to the reactivity of this antibody with the cytoplasmic side of the receptor.

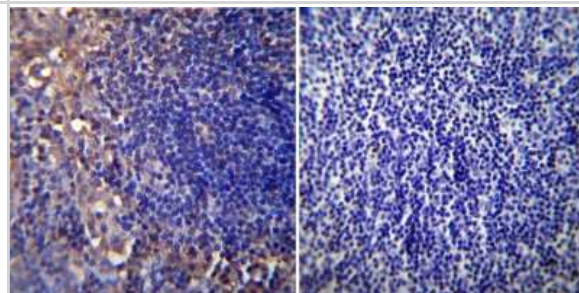


## Images

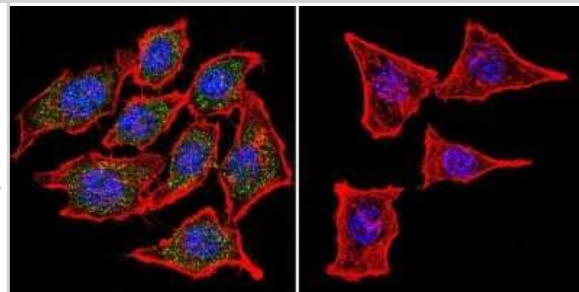
Immunocytochemistry/Immunofluorescence: CHRND Antibody (88B) [NB120-2804] - Analysis of Nicotinic Acetylcholine Receptor using Anti-Nicotinic Acetylcholine Receptor Monoclonal Antibody (88B) shows staining in U251 Cells. Nicotinic Acetylcholine Receptor staining (green), F-Actin staining with Phalloidin (red) and nuclei with DAPI (blue) is shown. Cells were grown on chamber slides and fixed with formaldehyde prior to staining. Cells were probed without (control) or with or an antibody recognizing Nicotinic Acetylcholine Receptor at a dilution of 1:20 over night at 4C, washed with PBS and incubated with a DyLight-488 conjugated.



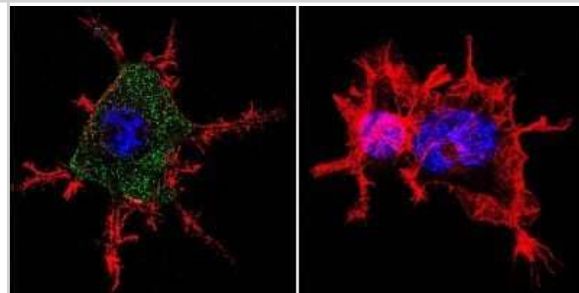
Immunohistochemistry-Paraffin: CHRND Antibody (88B) [NB120-2804] - Normal biopsies of deparaffinized Mouse lymph node tissue.



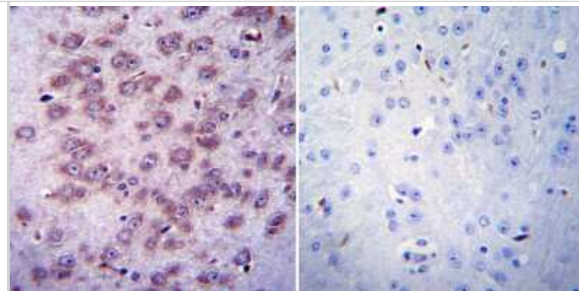
Immunocytochemistry/Immunofluorescence: CHRND Antibody (88B) [NB120-2804] - Analysis of Nicotinic Acetylcholine Receptor using Anti-Nicotinic Acetylcholine Receptor Monoclonal Antibody (88B) shows staining in Hela Cells. Nicotinic Acetylcholine Receptor staining (green), F-Actin staining with Phalloidin (red) and nuclei with DAPI (blue) is shown. Cells were grown on chamber slides and fixed with formaldehyde prior to staining. Cells were probed without (control) or with or an antibody recognizing Nicotinic Acetylcholine Receptor at a dilution of 1:100 over night at 4C, washed with PBS and incubated with a DyLight-488 conjugated.



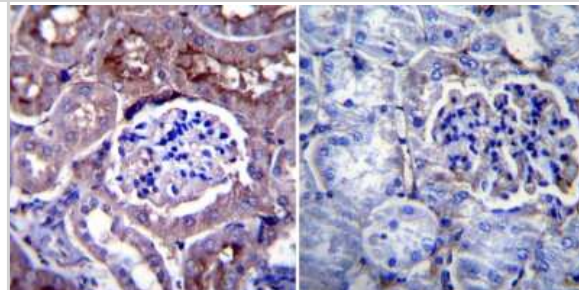
Immunocytochemistry/Immunofluorescence: CHRND Antibody (88B) [NB120-2804] - Analysis of Nicotinic Acetylcholine Receptor using Anti-Nicotinic Acetylcholine Receptor Monoclonal Antibody (88B) shows staining in Neuro-2a Cells. Nicotinic Acetylcholine Receptor staining (green), F-Actin staining with Phalloidin (red) and nuclei with DAPI (blue) is shown. Cells were grown on chamber slides and fixed with formaldehyde prior to staining. Cells were probed without (control) or with or an antibody recognizing Nicotinic Acetylcholine Receptor at a dilution of 1:100 over night at 4C, washed with PBS and incubated with a DyLight-488 conjugated.



Immunohistochemistry-Paraffin: CHRND Antibody (88B) [NB120-2804] - Normal biopsies of deparaffinized Mouse brain tissue.



Immunohistochemistry-Paraffin: CHRND Antibody (88B) [NB120-2804] - Normal biopsies of deparaffinized Mouse kidney tissue.



## Publications

Li B, Chen L, Gu Yd Stability of motor endplates is greater in the biceps than in the interossei in a rat model of obstetric brachial plexus palsy Neural Regen Res 2020-09-01 [PMID: 32209772] (WB, Rat)

Dmytrenko GM, Pumplin DW, Bloch RJ. Dystrophin in a membrane skeletal network: localization and comparison to other proteins. J Neurosci;13(2):547-58. 1993-02-01 [PMID: 8426227]

Bloch RJ, Sealock R, Pumplin DW, Luther PW, Froehner SC. Association of acetylcholine receptors with peripheral membrane proteins: evidence from antibody-induced coaggregation. J Membr Biol;138(1):13-28. 1994-02-01 [PMID: 8189428]

Froehner SC, Douville K, Klink S, Culp WJ. Monoclonal antibodies to cytoplasmic domains of the acetylcholine receptor. J Biol Chem;258(11):7112-20. 1983-06-10 [PMID: 6189834]



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### **Products Related to NB120-2804**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

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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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