

# Product Datasheet

## Choline Acetyltransferase/ChAT Antibody NB110-89724

Unit Size: 0.1 ml

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

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



[technical@novusbio.com](mailto:technical@novusbio.com)

### Publications: 3

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**NB110-89724****Choline Acetyltransferase/ChAT Antibody**

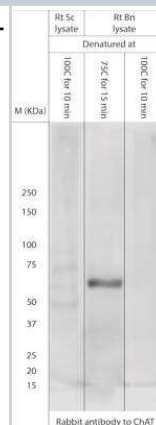
| <b>Product Information</b>         |  |
|------------------------------------|--|
| <b>Unit Size</b>                   | 0.1 ml   |
| <b>Concentration</b>               | This product is unpurified. The exact concentration of antibody is not quantifiable.   |
| <b>Storage</b>                     | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.   |
| <b>Clonality</b>                   | Polyclonal   |
| <b>Preservative</b>                | No Preservative  |
| <b>Reconstitution Instructions</b> | Reconstitute in 0.1 ml of sterile water. Centrifuge to remove any insoluble material. Glycerol may be added (1:1) for additional stability. Please note the sample size is provided in reconstituted format. |
| <b>Isotype</b>                     | IgG  |
| <b>Purity</b>                      | Unpurified   |
| <b>Buffer</b>                      | Lyophilized from whole antisera  |

| <b>Product Description</b> |   |
|----------------------------|---|
| <b>Description</b>         | Novus Biologicals Rabbit Choline Acetyltransferase/ChAT Antibody (NB110-89724) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-Choline Acetyltransferase/ChAT Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee. |
| <b>Host</b>                | Rabbit  |
| <b>Gene ID</b>             | 1103  |
| <b>Gene Symbol</b>         | CHAT  |
| <b>Species</b>             | Mouse, Rat  |
| <b>Marker</b>              | Cholinergic Neuronal Marker   |
| <b>Immunogen</b>           | A synthetic peptide from mouse Choline Acetyltransferase/ChAT conjugated to blue carrier protein was used as the antigen.   |

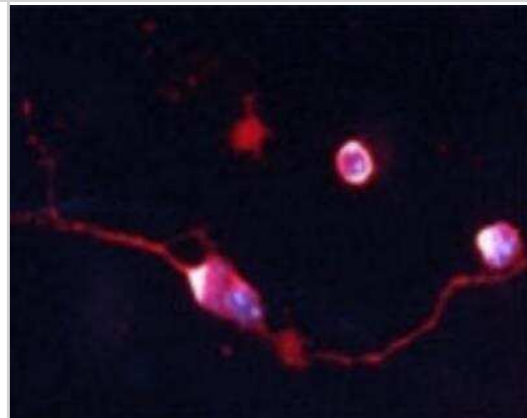
| <b>Product Application Details</b> |  |
|------------------------------------|--|
| <b>Applications</b>                | Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry Free-Floating                                |
| <b>Recommended Dilutions</b>       | Western Blot 1:500, Immunohistochemistry 1:500, Immunocytochemistry/Immunofluorescence 1:2000, Immunohistochemistry-Paraffin 1:500, Immunohistochemistry Free-Floating 1:500 |
| <b>Application Notes</b>           | This antibody is currently not validating in Immunohistochemistry-Frozen.  |

## Images

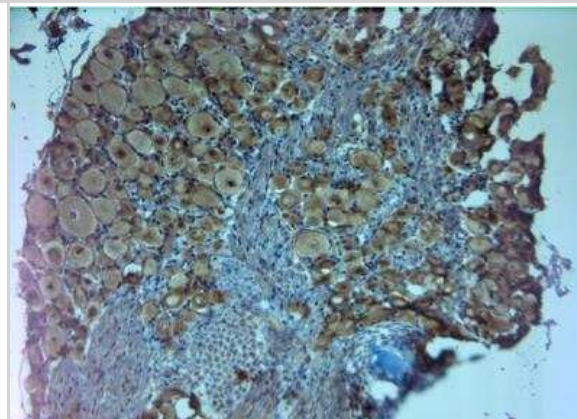
Western Blot: Choline Acetyltransferase/ChAT Antibody [NB110-89724] - Effect of denaturing temperature on Western blot on brain lysates using Rabbit antibody to ChAT.



Immunocytochemistry/Immunofluorescence: Choline Acetyltransferase/ChAT Antibody [NB110-89724] - IF on 1 day-old mouse cortical cell culture using Rabbit antibody to rat, mouse ChAT (choline O-acetyltransferase): whole serum at 1:2000 dilution. DAPI counter stained.



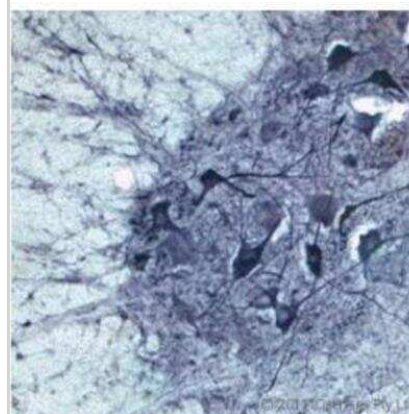
Immunohistochemistry-Paraffin: Choline Acetyltransferase/ChAT Antibody [NB110-89724] - IHC on paraffin sections of rat DRG using Rabbit antibody to ChAT.



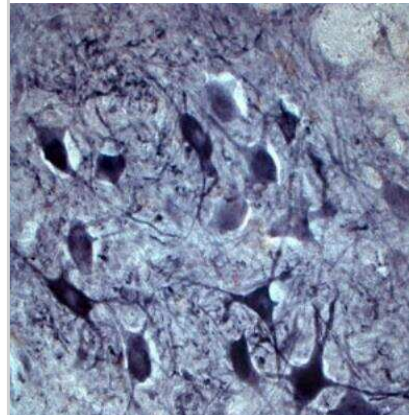
Immunocytochemistry/Immunofluorescence: Choline Acetyltransferase/ChAT Antibody [NB110-89724] - IF on 1 day-old mouse cortical cell culture using Rabbit antibody to rat, mouse ChAT (choline O-acetyltransferase): whole serum at 1:2000 dilution. DAPI counter stained.



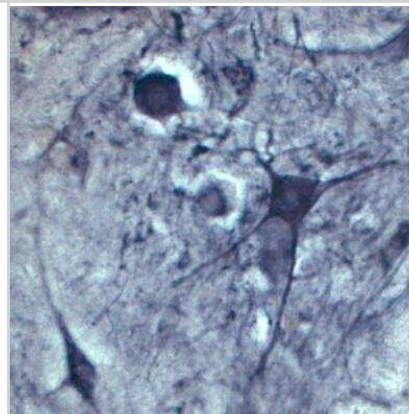
Immunohistochemistry Free-Floating: Choline Acetyltransferase/ChAT Antibody [NB110-89724] - IHC on rat spinal cord (free floating sections) at 1:1000 dilution using Rabbit antibody to c-terminal region of ChAT (choline O-acetyltransferase): whole serum (NB110-89724).



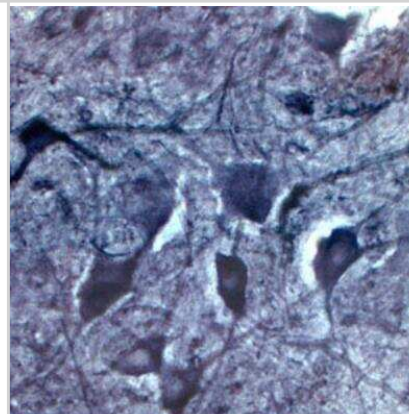
Immunohistochemistry Free-Floating: Choline Acetyltransferase/ChAT Antibody [NB110-89724] - IHC on rat spinal cord using Rabbit antibody to rat, mouse ChAT (choline O-acetyltransferase): whole serum at 1:2000 dilution. Pre-absorption of the antibody with the immunising peptide completely abolishes the immunostaining (not shown).



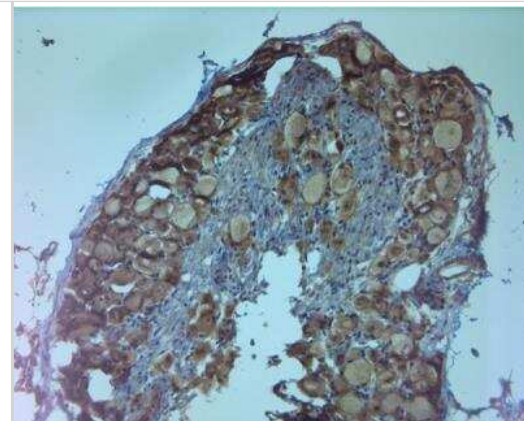
Immunohistochemistry Free-Floating: Choline Acetyltransferase/ChAT Antibody [NB110-89724] - IHC on rat spinal cord using Rabbit antibody to rat, mouse ChAT (choline O-acetyltransferase): whole serum at 1:2000 dilution. Pre-absorption of the antibody with the immunising peptide completely abolishes the immunostaining (not shown).



Immunohistochemistry Free-Floating: Choline Acetyltransferase/ChAT Antibody [NB110-89724] - IHC on rat spinal cord using Rabbit antibody to rat, mouse ChAT (choline O-acetyltransferase): whole serum at 1:2000 dilution. Pre-absorption of the antibody with the immunising peptide completely abolishes the immunostaining (not shown).



Immunohistochemistry-Paraffin: Choline Acetyltransferase/ChAT Antibody [NB110-89724] - IHC on paraffin sections of rat DRG using Rabbit antibody to ChAT.



## Publications

Hatanaka F, Suzuki K, Shojima K et al. Therapeutic strategy for spinal muscular atrophy by combining gene supplementation and genome editing bioRxiv 2023-04-07 (Immunohistochemistry, Mouse)

Lang SC, Harre U, Purohit P et al. Neurodegeneration Enhances the Development of Arthritis. J. Immunol. 2017-02-10 [PMID: 28188247] (IF/IHC, Mouse)

Schizas N, Rojas R, Kootala S et al. Hyaluronic acid-based hydrogel enhances neuronal survival in spinal cord slice cultures from postnatal mice. J Biomater Appl 2013-05-14 [PMID: 23674184] (IF/IHC, Mouse)



### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

www.novusbio.com  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Products Related to NB110-89724**

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|             |   |
|-------------|---|
| NBP2-33376H | Blue Marker Antibody (6F4-F6) [HRP]                 |
| HAF008      | Goat anti-Rabbit IgG Secondary Antibody [HRP]       |
| NB7160      | Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP] |
| NBP2-24891  | Rabbit IgG Isotype Control                          |

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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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