

Product Datasheet

Choline Acetyltransferase/ChAT Antibody (CL3169) - Azide and BSA Free NBP3-43798

Unit Size: 100 ug

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

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NBP3-43798

Choline Acetyltransferase/ChAT Antibody (CL3169) - Azide and BSA Free

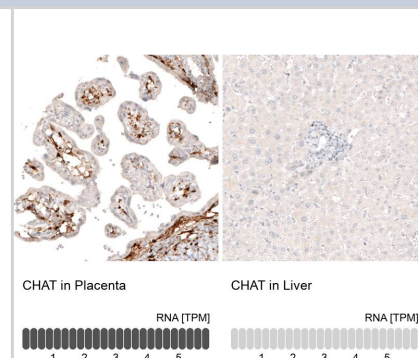
| Product Information | |
|-----------------------------|--|
| Unit Size | 100 ug |
| Concentration | LYOPH mg/ml |
| Storage | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles. |
| Clonality | Monoclonal |
| Clone | CL3169 |
| Preservative | No Preservative |
| Reconstitution Instructions | Centrifuge the vial of lyophilized antibody at 12,000 x g for 20 seconds. Reconstitute by adding sterile, distilled water to achieve a final antibody concentration of 1mg/ml. |
| Isotype | IgG1 |
| Purity | Protein A purified |
| Buffer | Lyophilized from a 0.2 um filtered solution in PBS with Trehalose |

| Product Description | |
|---------------------|---|
| Description | Novus Biologicals Mouse Choline Acetyltransferase/ChAT Antibody (CL3169) - Azide and BSA Free (NBP2-46650) is a monoclonal antibody validated for use in IHC. All Novus Biologicals antibodies are covered by our 100% guarantee. |
| Host | Mouse |
| Gene ID | 1103 |
| Gene Symbol | CHAT |
| Species | Human, Mouse, Rat |
| Immunogen | This antibody was generated using a recombinant protein sequence of P28329, with the exact immunogen sequence remaining proprietary. |

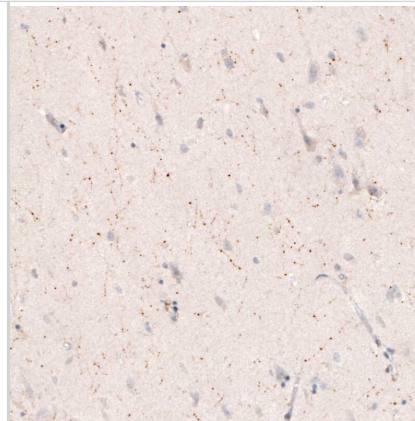
| Product Application Details | |
|-----------------------------|---|
| Applications | Immunohistochemistry-Paraffin |
| Recommended Dilutions | Immunohistochemistry-Paraffin 1:500 - 1:1000 |
| Application Notes | For IHC-Paraffin, HIER pH 6 retrieval is recommended. |

Images

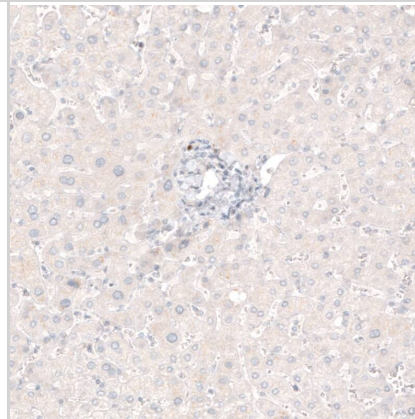
Analysis in human placenta and liver tissues using NBP3-43798 antibody. Corresponding Choline Acetyltransferase/ChAT RNA-seq data are presented for the same tissues.



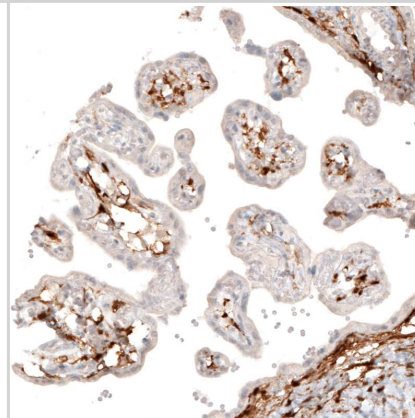
Staining of human cerebral cortex shows positivity in cholinergic neural fibers.



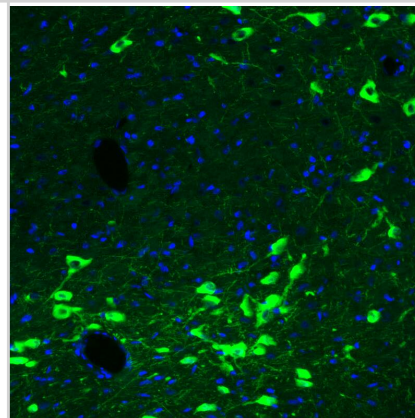
Staining of human liver shows no positivity in hepatocytes as expected.



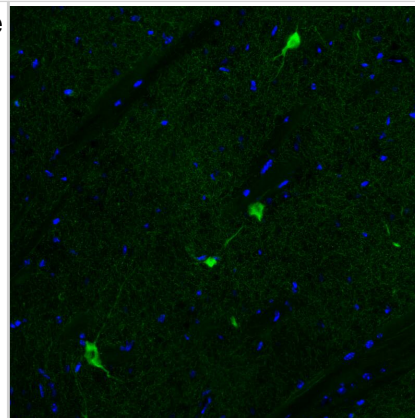
Staining of human placenta shows strong cytoplasmic positivity in a subset of cells in chorionic villi.



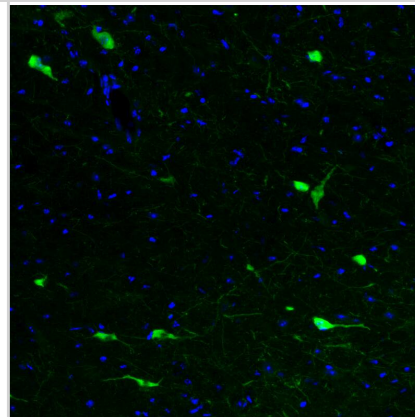
Staining of rat brain shows strong cytoplasmic positivity in acetylcholine neurons in the basal forebrain.



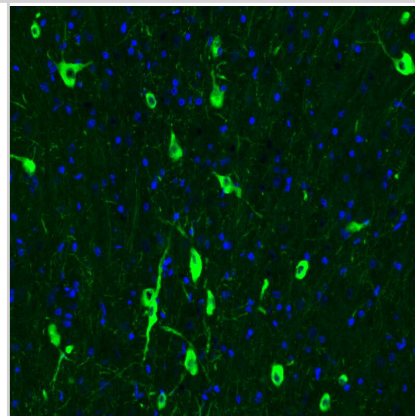
Staining of mouse basal forebrain shows strong positivity in acetylcholine neurons in the caudate putamen.



Staining of mouse brain shows strong cytoplasmic positivity in acetylcholine neurons in the basal forebrain.



Staining of rat brain shows strong cytoplasmic positivity in acetylcholine neurons in the medial septum.





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Products Related to NBP3-43798

| | |
|--------------------|---|
| 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) |
| H00001103-Q01-10ug | Recombinant Human Choline Acetyltransferase/ChAT 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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