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CHAT Antibody (N-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9593a

Specification

CHAT Antibody (N-term) - Product Information

Application	**IF, WB,E**
Primary Accession	P28329
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Antigen Region	**98-128**

CHAT Antibody (N-term) - Additional Information

Gene ID 1103

Other Names
Choline O-acetyltransferase, CHOACTase, ChAT, Choline acetylase, CHAT

Target/Specificity
This CHAT antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 98-128 amino acids from the N-terminal region of human CHAT.

Dilution
IF~~1:10~50
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
CHAT Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

CHAT Antibody (N-term) - Protein Information

Name CHAT

Function Catalyzes the reversible synthesis of acetylcholine (ACh) from acetyl CoA and choline at cholinergic synapses.

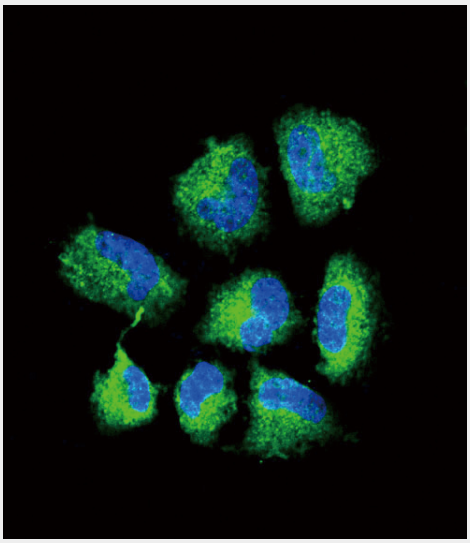
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CHAT Antibody (N-term) - Protocols

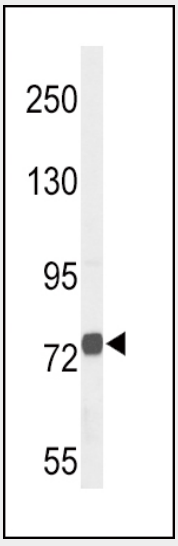
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

CHAT Antibody (N-term) - Images



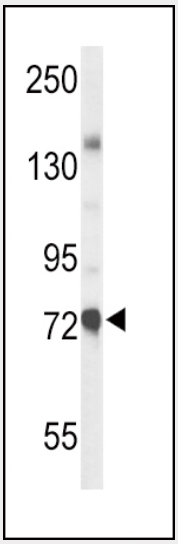
Confocal immunofluorescent analysis of CHAT Antibody (N-term) (Cat. #AP9593a) with NCI-H460 cell followed by Alexa Fluor?488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



Western blot analysis of CHAT Antibody (N-term) (Cat. #AP9593a) in NCI-H460 cell line lysates

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(35ug/lane).CHAT (arrow) was detected using the purified Pab.



Western blot analysis of CHAT Antibody (N-term) (Cat. #AP9593a) in mouse liver tissue lysates (35ug/lane). CHAT (arrow) was detected using the purified Pab.

CHAT Antibody (N-term) - Background

CHAT is an enzyme which catalyzes the biosynthesis of the neurotransmitter acetylcholine. This gene product is a characteristic feature of cholinergic neurons, and changes in these neurons may explain some of the symptoms of Alzheimer disease.

CHAT Antibody (N-term) - References

Shaffer, J.R., et al. Nutr Metab Cardiovasc Dis (2010) In press
Beck, M., et al. Cell Tissue Res. 338(1):37-51(2009)
Need, A.C., et al. Eur. J. Hum. Genet. 17(7):946-957(2009)