

Datasheet for ABIN951493

anti-Choline Acetyltransferase antibody (N-Term)[Go to Product page](#)**3** Images

Overview

Quantity:	0.4 mL
Target:	Choline Acetyltransferase (CHAT)
Binding Specificity:	AA 106-135, N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Choline Acetyltransferase antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 106~135 amino acids from the N-terminal region of human CHAT
Isotype:	Ig Fraction
Specificity:	This antibody reacts to CHAT.
Cross-Reactivity (Details):	Species reactivity (tested): Human and Mouse.
Purification:	Saturated Ammonium Sulfate (SAS) precipitation

Target Details

Target:	Choline Acetyltransferase (CHAT)
Alternative Name:	CHAT (CHAT Products)

Target Details

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. Synonyms: CHOACTase, ChAT, Choline O-acetyltransferase, Choline acetylase, EC=2.3.1.6

Molecular Weight: 82536 Da

Gene ID: 1103

NCBI Accession: [NP_001136401](#)

Pathways: [Skeletal Muscle Fiber Development](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.25 mg/mL

Buffer: PBS, 0.09 % (W/V) sodium azide

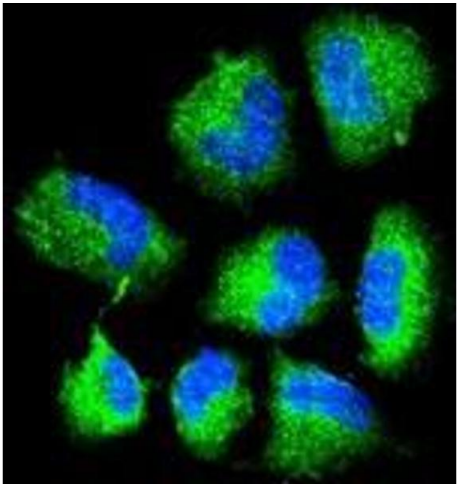
Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

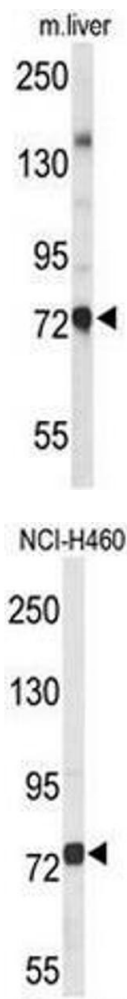
Storage: 4 °C/-20 °C

Storage Comment: Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Immunofluorescence

Image 1. Confocal immunofluorescent analysis of CHAT Antibody (N-term) 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 Blotting

Image 2. Western blot analysis of CHAT Antibody (N-term) in mouse liver tissue lysates (35µg/lane). CHAT (arrow) was detected using the purified Pab.

Western Blotting

Image 3. Western blot analysis of CHAT Antibody (N-term) in NCI-H460 cell line lysates (35µg/lane). CHAT (arrow) was detected using the purified Pab.