

Rabbit anti-Human Choline Acetyltransferase/CHAT Polyclonal Antibody | anti-CHAT antibody

Anti-Choline Acetyltransferase/CHAT Antibody

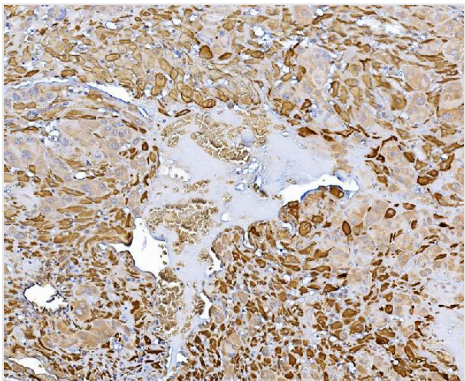
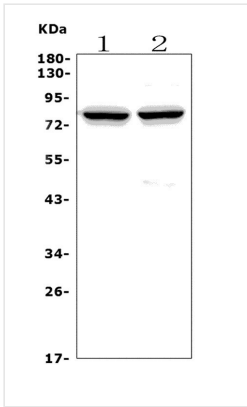
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA125417	Rabbit	Human	ELISA, Flow Cytometry, Functional Assay, Immunofluorescence, Immunocytochemistry, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

Choline Acetyltransferase/CHAT; Polyclonal Antibody; Anti-Choline Acetyltransferase/CHAT Antibody; Choline O-acetyltransferase (EC:2.3.1.6); CHOACTase; ChAT; Choline acetylase; CHAT; anti-CHAT antibody

PRODUCT SPECIFICATIONS

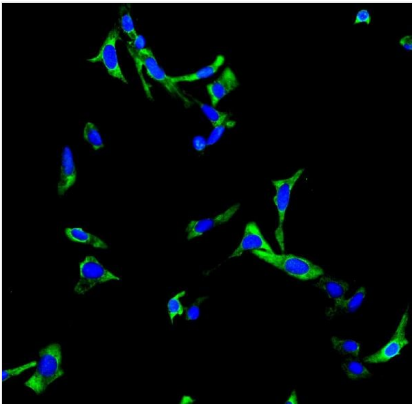
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	No cross reactivity with other proteins.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Na ₃ N.
Sequence Length	748
Applicable Applications for anti-CHAT antibody	ELISA (Direct ELISA), FCM/FACS (Flow Cytometry), IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived human Choline Acetyltransferase/CHAT recombinant protein (Position: T25-K731).
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen store at -20 degree C for a longer time. Avoid repeated freezing and thawing.



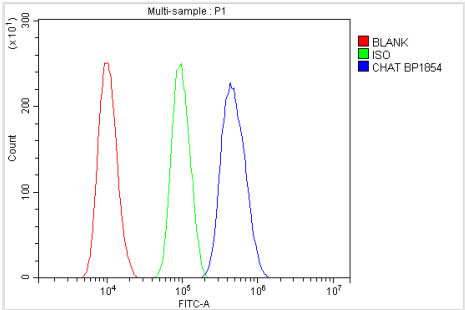
IHC (Immunohistochemisry)

WB (Western Blot)

Figure 1. Western blot analysis of CHAT using anti-CHAT antibody.



IF (Immunofluorescence)



FCM/FACS (Flow Cytometry)

ADDITIONAL INFORMATION

Related Product Information for anti-CHAT antibody	Description: Rabbit IgG polyclonal antibody for Choline Acetyltransferase/CHAT detection. Tested with WB, IHC-P, ICC/IF, FCM, Direct ELISA in Human. Background: Choline acetyltransferase (commonly abbreviated as ChAT, but sometimes CAT) is a transferase enzyme responsible for the synthesis of the neurotransmitter acetylcholine. In humans, the choline acetyltransferase enzyme is encoded by the CHAT gene. This gene product is a characteristic feature of cholinergic neurons, and changes in these neurons may explain some of the symptoms of Alzheimer's disease. Polymorphisms in this gene have been associated with Alzheimer's disease and mild cognitive impairment. Mutations in this gene are associated with congenital myasthenic syndrome associated with episodic apnea. Multiple transcript variants encoding different isoforms have been found for this gene, and some of these variants have been shown to encode more than one isoform.
References	1. Cohen-Haguenauer, O., Brice, A., Berrard, S., Van Cong, N., Mallet, J., Frezal, J. Localization of the choline acetyltransferase (CHAT) gene to human chromosome 10. Genomics 6: 374-378, 1990. 2. Harold, D., Peirce, T., Moskvina, V., Myers, A., Jones, S., Hollingworth, P., Moore, P., Lovestone, S., Powell, J., Foy, C., Archer, N., Walter, S., and 11 others. Sequence variation in the CHAT locus shows no association with late-onset Alzheimer's disease. Hum. Genet. 113: 258-267, 2003. 3. Kraner, S, Laufenberg, I., Strassburg, H. M., Sieb, J. P., Steinlein, O. K. Congenital myasthenic syndrome with episodic apnea in patients homozygous for a CHAT missense mutation. Arch. Neurol. 60: 761-763, 2003.

NCBI AND UNIPROT INFORMATION

NCBI GI #	281185509
NCBI GeneID	1103

UniProt Accession #	P28329
NCBI Official Full Name	Choline O-acetyltransferase
NCBI Official Synonym Full Names	choline O-acetyltransferase
NCBI Official Symbol	CHAT
NCBI Official Synonym Symbols	CMS6; CMS1A; CMS1A2; CHOACTASE
NCBI Protein Information	choline O-acetyltransferase
UniProt Protein Name	Choline O-acetyltransferase
UniProt Gene Name	CHAT
UniProt Synonym Gene Names	CHOACTase; ChAT; Choline acetylase
UniProt Entry Name	CLAT_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/choline-acetyltransferase-chat-antibody-direct-elisa-flow-cytometry-immunofluorescence-immunocytochemistry-immunohistochemistry-western-blot-elisa/125417>