

Rabbit anti-Human, mouse CHAT Polyclonal Antibody | anti-CHAT antibody

CHAT Antibody (N-term)

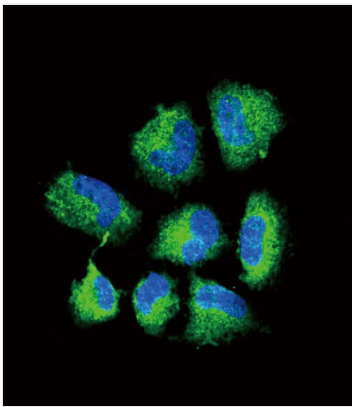
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283838	Rabbit	Human, mouse	Western Blot, ELISA, Immunofluorescence

PRODUCT SYNONYMS

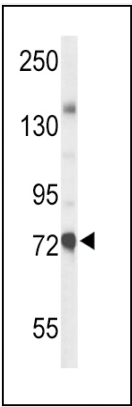
CHAT; Polyclonal Antibody; CHAT Antibody (N-term); Choline O-acetyltransferase; CHOACTase; ChAT; Choline acetylase; anti-CHAT antibody

PRODUCT SPECIFICATIONS

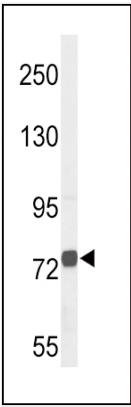
Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This CHAT antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 98-128 amino acids from the N-terminal region of human CHAT.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/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.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	98-128
Sequence Length	630
Applicable Applications for anti-CHAT antibody	WB (Western Blot), ELISA, IF (Immunofluorescence)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



IF (Immunofluorescence)
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).



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



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

ADDITIONAL INFORMATION

Related Product Information for anti-CHAT antibody	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.
Product Categories/Family for anti-CHAT antibody	Neuroscience
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)

NCBI AND UNIPROT INFORMATION

NCBI GI #	218931221
NCBI GeneID	1103
NCBI Accession #	NP_001136401.1; NP_001136405.1; NP_001136406.1; NP_065574.3; NP_066264.3; NP_066265.3; NP_066266.3
NCBI GenBank Nucleotide #	NM_001142929.1
UniProt Accession #	P28329; Q16488; Q9BQ23; Q9BQ35; Q9BQE1; A2BDF4; A2BDF5
Molecular Weight	82536

NCBI Official Full Name	choline O-acetyltransferase isoform 1
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://www.aaabiotech.com/polyclonal/chat-antibody-western-blot-immunofluorescence-elisa/283838>