

Rabbit CHAT Polyclonal Antibody | anti-CHAT antibody

CHAT Rabbit anti-Human Polyclonal (aa517-732) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA162802	Rabbit	Mouse, Rat, Human	Western Blot, Immunohistochemistry, Immunohistochemistry

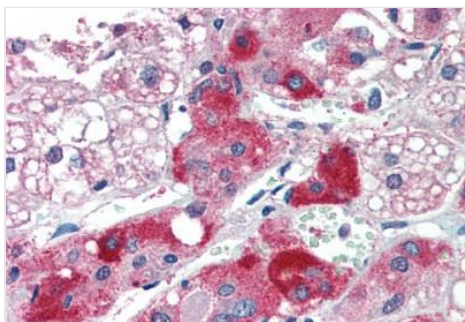
PRODUCT SYNONYMS

CHAT; Polyclonal Antibody; CHAT Rabbit anti-Human Polyclonal (aa517-732) Antibody; PathPlus CHAT Antibody (aa517-732); Choline acetylase; Choline acetyltransferase; Choline O-acetyltransferase; CMS1A2; CHOACTASE; CMS1A; anti-CHAT antibody

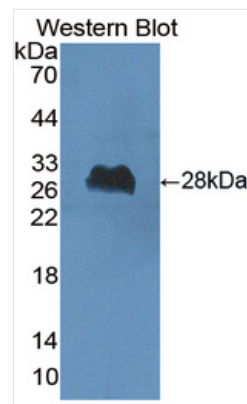
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse, Rat, Human
Clonality	Polyclonal
Specificity	The antibody is a rabbit polyclonal antibody raised against ChAT.
Purity/Purification	Antigen-specific affinity chromatography followed by Protein A affinity chromatography
Form/Format	PBS, pH7.4, 0.05% Proclin-300, 50% glycerol
Concentration	0.5mg/ml (varies by lot)
Applicable Applications for anti-CHAT antibody	WB (Western Blot), IHC (Immunohistochemistry), IHC (Immunohistochemistry)
Target	Human CHAT
Immunogen	Recombinant ChAT (Asp517-Pro732)
Conjugation	Unconjugated
Epitope	aa517-732
Preparation and Storage	Avoid repeated freeze/thaw cycles. Store at 4 degree C for frequent use. Aliquot and store at -20 degree C for 12 months.

IMAGES



IHC (Immunohistochemistry)
CHAT Antibody-Human Adrenal: Formalin-Fixed, Paraffin-Embedded (FFPE)



WB (Western Blot)
CHAT Antibody-Western blot of CHAT antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CHAT antibody	CHAT antibody is an unconjugated rabbit polyclonal antibody to CHAT (aa517-732) from human. It is reactive with human, mouse and rat. Validated for IHC and WB. CHAT (choline acetyltransferase, CAT, CHOACTASE) is an enzyme that catalyzes the biosynthesis of the neurotransmitter acetylcholine. CHAT has important functions in the cholinergic system and is expressed by (and may be used to identify) cholinergic neurons, whose neurodegeneration is a typical component of Alzheimer's disease. CHAT variants and change-of-function mutations are correlated with Alzheimer's disease, mild cognitive impairment, and congenital myasthenic syndrome with episodic apnea. In immunohistochemistry, CHAT has cytoplasmic positivity in cholinergic nerve endings in the brain, and is also found in specific cell populations in the gastrointestinal tract and in placental stroma.
References	Curr Neuroparmacol. 2016 Jan; 14(1): 101 -115, PMID: 26813123; Dement Geriatr Cogn Disord. 2008;26(1):9-14, PMID: 18562794; J Neuropathol Exp Neurol. 57 (1): 63 -75, PMID: 9600198;

NCBI AND UNIPROT INFORMATION

NCBI GI #	188595670
NCBI GeneID	1103
NCBI Accession #	NP_065574.3
NCBI GenBank Nucleotide #	NM_020549
UniProt Accession #	P28329; Q16488; Q9BQ23; Q9BQ35; Q9BQE1; A2BDF4; A2BDF5
Molecular Weight	70,394 Da
NCBI Official Full Name	choline O-acetyltransferase isoform 2
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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/chat-antibody-western-blot-immunohistochemistry-immunohistochemistry-elisa/162802>