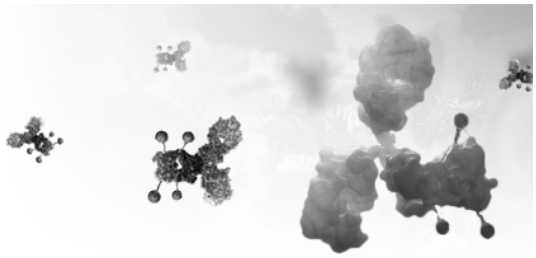

Human CHAT blocking peptide (CDBP0790)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-Choline acetyltransferase antibody
Antigen Description	This gene encodes 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'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. [provided by RefSeq, May 2010]
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name	CHAT choline O-acetyltransferase [Homo sapiens (human)]
Official Symbol	CHAT

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Synonyms	CHAT; choline O-acetyltransferase; CMS1A; CMS1A2; CHOACTASE; choline acetylase; acetyl CoA:choline O-acetyltransferase;
Entrez Gene ID	1103
mRNA Refseq	NM_001142929.1
Protein Refseq	NP_001136401.1
UniProt ID	D3DX95
Chromosome Location	10q11.2
Pathway	Acetylcholine Neurotransmitter Release Cycle, organism-specific biosystem; Acetylcholine Synthesis, organism-specific biosystem; Biogenic Amine Synthesis, organism-specific biosystem; Cholinergic synapse, organism-specific biosystem; Glycerophospholipid biosynthesis, organism-specific biosystem; Glycerophospholipid metabolism, organism-specific biosystem; Glycerophospholipid metabolism, conserved biosystem; Metabolism, organism-specific biosystem; Metabolism of lipids and lipoproteins, organism-
Function	choline O-acetyltransferase activity;

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