

## Product datasheet for **TA332522**

### Choline Acetyltransferase (CHAT) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB 1:500 - 1:2000
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant protein of human CHAT
Formulation:	Store at -20°C (regular) and -80°C (long term). Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	choline O-acetyltransferase
Database Link:	<a href="#">NP_065574</a> <a href="#">Entrez Gene 12647 Mouse</a> <a href="#">Entrez Gene 290567 Rat</a> <a href="#">Entrez Gene 1103 Human</a> <a href="#">P28329</a>
Background:	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.
Synonyms:	CHOACTASE; CMS1A; CMS1A2

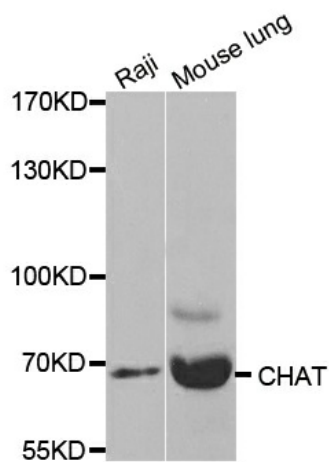


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Protein Families: Druggable Genome

Protein Pathways: Glycerophospholipid metabolism

### Product images:



Western blot analysis of extracts of various cell lines, using CHAT antibody.