

## CHAT

**Reactivity:**Human Mouse Rat

**Tested applications:**WB IHC IF

**Recommended Dilution:**WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:50 - 1:200

**Calculated MW:**83kDa

**Observed MW:**Refer to Figures

**Immunogen:**

Recombinant protein of human CHAT

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

CMS1A; CMS1A2; CHOACTASE

**Catalog #:**A2495

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**1103

**Isotype:**IgG

**Swiss Prot:**P28329

**Purity:**Affinity purification

For research use only.

**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.

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