

## CHAT Rabbit pAb

CatalogNo: YT0909

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse, Rat

#### Applications

- WB, ELISA

#### MW

- 82,70kD (Observed)

#### Isotype

- IgG

### Storage

**Storage\*** -15°C to -25°C/1 year (Do not lower than -25°C)

**Formulation** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

### Recommended Dilution Ratios

**WB 1:500-1:2000**

**ELISA 1:10000**

**Not yet tested in other applications.**

### Basic Information

**Clonality** Polyclonal

### Immunogen Information

**Immunogen** The antiserum was produced against synthesized peptide derived from human Choactase. AA range:334-383

**Specificity** Choactase Polyclonal Antibody detects endogenous levels of Choactase protein.

### Target Information

**Gene name** CHAT

**Protein Name** Choline O-acetyltransferase

Organism	Gene ID	UniProt ID
Human	<a href="#">1103</a> ;	<a href="#">P28329</a> ;
Mouse		<a href="#">Q03059</a> ;
Rat		<a href="#">P32738</a> ;

**Cellular Localization** nucleus,cytoplasm,cytosol,presynapse,

**Tissue specificity** Brain,Lymphocyte,Placenta,Spinal cord,

**Function** Catalytic activity:Acetyl-CoA + choline = CoA + O-acetylcholine.,Disease:Defects in CHAT are the cause of congenital myasthenic syndrome with episodic apnea (CMSEA) [MIM:254210]; formerly known as familial infantile myasthenia gravis 2 (FIMG2). CMSEA is an autosomal recessive congenital myasthenic syndrome. Patients have myasthenic symptoms since birth or early infancy, negative tests for anti-AChR antibodies, and abrupt episodic crises with increased weakness, bulbar paralysis, and apnea precipitated by undue exertion, fever, or excitement.,Function:Catalyzes the reversible synthesis of acetylcholine (ACh) from acetyl CoA and choline at cholinergic synapses.,online information:Choline acetyltransferase entry,similarity:Belongs to the carnitine/choline acetyltransferase family.,

## Validation Data

## Contact information

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Please scan the QR code to access additional product information:  
**CHAT Rabbit pAb**

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