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CHAT (AB3068) Rabbit mAb

M0161

Key Features

Host Species
- Rabbit

Reactivity
- Human, Mouse, Rat

Applications
- IF/ICC, ELISA

MW
- 83 kDa (calculated)
- Refer to figures kDa (observed)

Isotype
- IgG

Recommended Dilution Ratios

Application	Dilution
IF/ICC, ELISA	IF/ICC, 1:200-1:800 | ELISA, Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Storage

Storage Conditions	Store at-20℃. Avoid freeze / thaw cycles.
Storage buffer	The antibody is provided in liquid form in phosphate - buffered saline with 50% glycerol, 0.05% BSA, and 0.09% Sodium azide.

Basic Information

Clonality	Monoclonal
Clone Number	AB3068
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 461 - 560 of human CHAT.
Specificity	This antibody detects endogenous levels of CHAT protein.
Purification	Affinity purification Protein A
Concentration	Product concentration may vary by batch. Please refer to the product COA for details.

Target Information

Gene name	CHAT
Protein Name	CHAT

Database Link

Organism	Swiss Prot.	Gene ID
Human	P28329	1103

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.