A13244

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CHAT Rabbit pAb

Catalog No.: A13244 **6 Publications**

Basic Information

Observed MW
71kDa

Calculated MW
83kDa

Category
Mouse Monoclonal Antibody

Applications
WB,IF/ICC,ELISA

Cross-Reactivity
Human,Mouse,Rat

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.

Recommended Dilutions

WB	1:1000 - 1:2000
IF/ICC	1:50 - 1:200

Immunogen Information

Gene ID
1103

Swiss Prot
P28329

Immunogen
Recombinant fusion protein containing a sequence corresponding to amino acids 331-630 of human CHAT (NP_065574.4).

Synonyms
CMS6; CMS1A; CMS1A2; CHOACTASE; CHAT

Contact

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Product Information

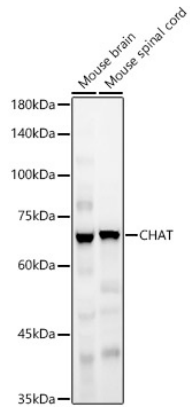
Source
Rabbit

Isotype
IgG

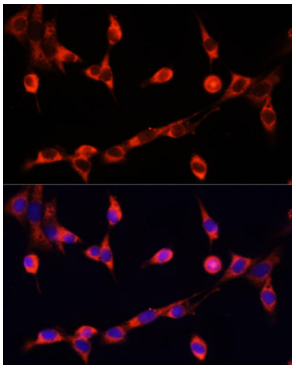
Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.01% thimerosal,50% glycerol,pH7.3.

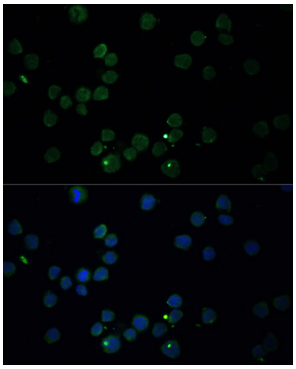
Validation Data



Western blot analysis of various lysates, using CHAT Rabbit pAb (A13244) at 1:2500 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 180s.



Immunofluorescence analysis of NIH/3T3 cells using CHAT antibody (A13244) at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of THP-1 cells using CHAT antibody (A13244) at dilution of 1:100. Blue: DAPI for nuclear staining.