10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-CHAT Antibody

Catalog # AP51084

Product Information

Application	WB, IF/IC
Primary Accession	P28329
Reactivity	Human, Mouse, Rat, Zebrafish, Pig, Chicken
Host	Rabbit
Clonality	Polyclonal
Calculated MW	82536

Additional Information

Gene ID	1103
Other Names	Choline O-acetyltransferase; CHOACTase; ChAT; Choline acetylase
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human CHAT. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

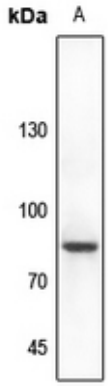
Protein Information

Name	CHAT
Function	Catalyzes the reversible synthesis of acetylcholine (ACh) from acetyl CoA and choline at cholinergic synapses.

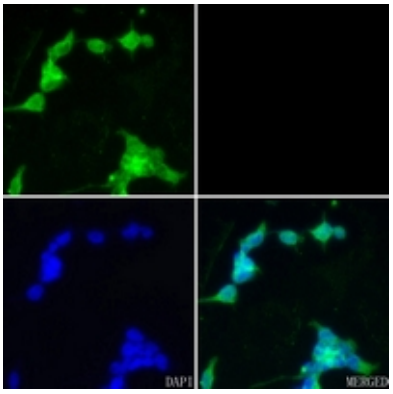
References

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Deloukas P.,et al.Nature 429:375-381(2004).
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Lorenzi M.V.,et al.DNA Cell Biol. 11:593-603(1992).

Images



Western blot analysis of CHAT expression in zebrafish (A) whole cell lysates. (Predicted band size: 82 kD; Observed band size: 82 kD)



Immunofluorescent analysis of CHAT staining in HEK293T cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.