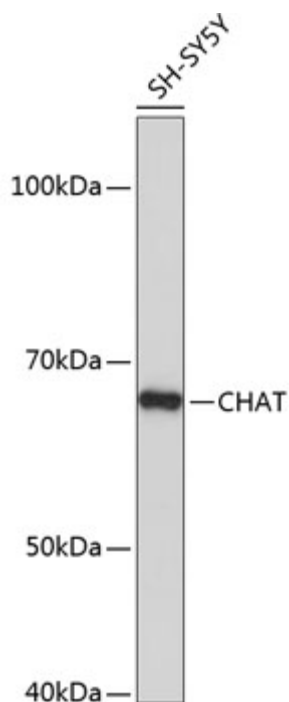

Product name:	ChAT Rabbit mAb
Cat number:	AB19031
Conjugate:	Unconjugated
Size:	100 ug
Clone:	ARC0491
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 649-748 of human CHAT (P28329).
Reactivity:	Human,Mouse,Rat
Applications:	WB,1:1000 - 1:6000 IF/ICC,1:200 - 1:800 ELISA,Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.
Molecular Weight:	65kDa
Purification:	Affinity purification
Form:	liquid
Buffer:	PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.
Storage:	Store at -20°C. Avoid freeze / thaw cycles.
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.

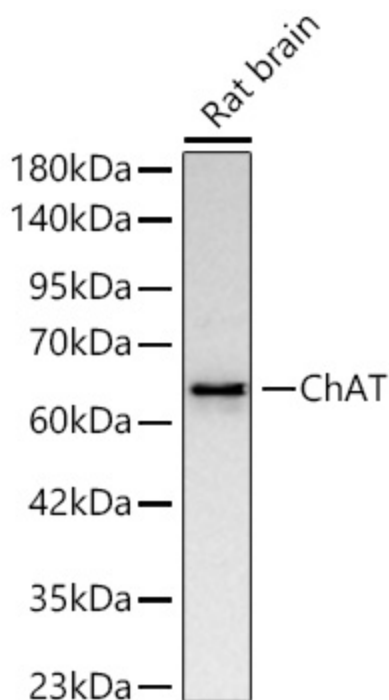


Western blot analysis of lysates from SH-SY5Y cells, using CHAT Rabbit mAb at 1:1000 dilution.

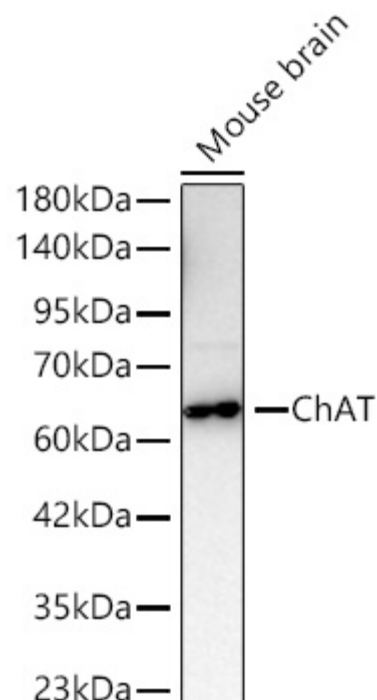
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit . Exposure time: 5s.



Confocal imaging of paraffin-embedded mouse brain using CHAT Rabbit mAb followed by a further incubation with Cy3 Goat Anti-Rabbit IgG . DAPI was used for nuclear staining . Objective: 40x.



Confocal imaging of paraffin-embedded rat brain using CHAT Rabbit mAb followed by a further incubation with Cy3 Goat Anti-Rabbit IgG . DAPI was used for nuclear staining . Objective: 40x.