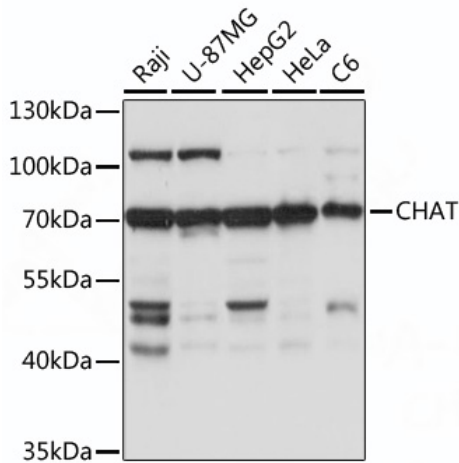
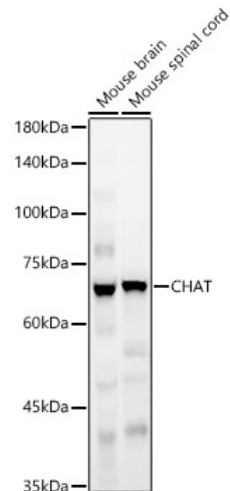


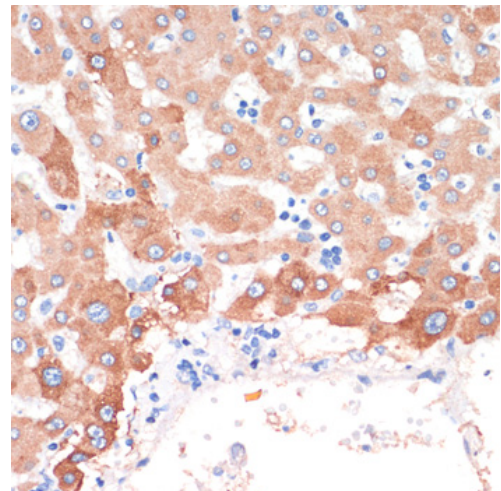
Product name:	CHAT Rabbit pAb
Cat number:	AB-84238
Conjugate:	Unconjugated
Size:	100 ug
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 331-630 of human CHAT (NP_065574.4).
Reactivity:	Human,Mouse,Rat
Applications:	WB,1:1000 - 1:2000 IHC-P,1:50 - 1:200 IF/ICC,1:50 - 1:200 ELISA,Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.
Molecular Weight:	71kDa
Purification:	Affinity purification
Form:	liquid
Buffer:	PBS with 0.09% Sodium azide,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.



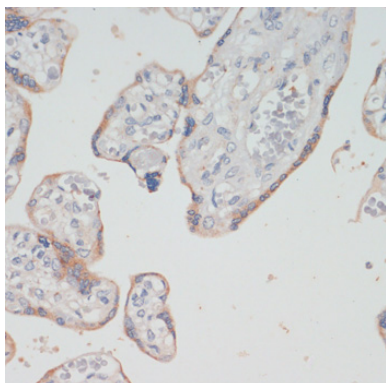
Western blot analysis of various lysates, using CHAT Rabbit pAb at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit . Exposure time: 5s.



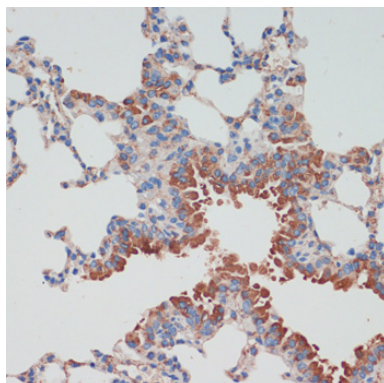
Western blot analysis of various lysates, using CHAT Rabbit pAb at 1:2500 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit . Exposure time: 180s.



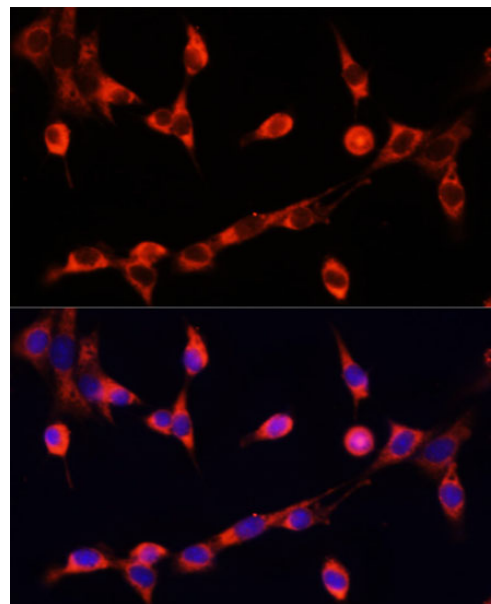
Immunohistochemistry analysis of paraffin-embedded Human liver cancer using CHAT Rabbit pAb at dilution of 1:200 . Microwave antigen retrieval performed with 0.01M PBS Buffer prior to IHC staining.



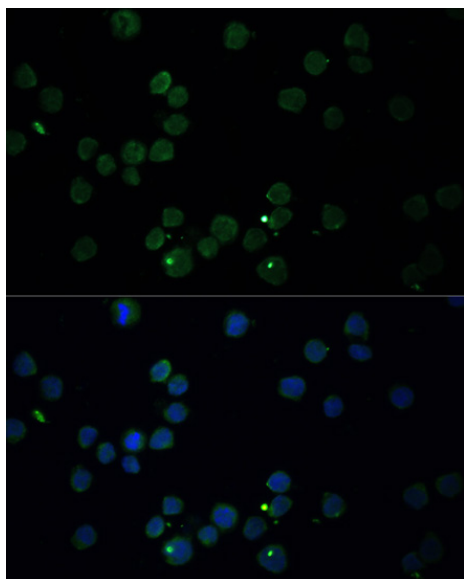
Immunohistochemistry analysis of paraffin-embedded Human placenta using CHAT Rabbit pAb at dilution of 1:200 . Microwave antigen retrieval performed with 0.01M PBS Buffer prior to IHC staining.



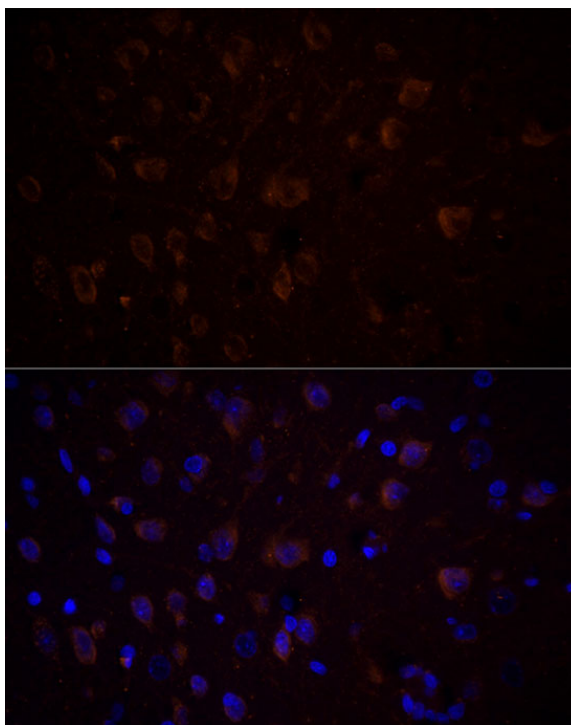
Immunohistochemistry analysis of paraffin-embedded Mouse lung using CHAT Rabbit pAb at dilution of 1:200 . Microwave antigen retrieval performed with 0.01M PBS Buffer prior to IHC staining.



Immunofluorescence analysis of NIH/3T3 cells using CHAT Rabbit pAb at dilution of 1:100. Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of THP-1 cells using CHAT Rabbit pAb at dilution of 1:100. Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of paraffin-embedded Rat brain using CHAT Rabbit pAb at dilution of 1:100. Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG at 1:500 dilution. Blue: DAPI for nuclear staining.