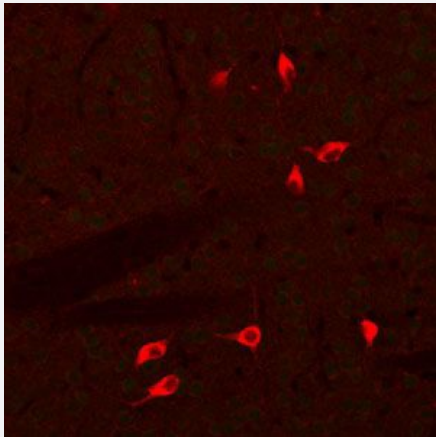


CHAT polyclonal antibody

Catalog # PAB29065 Size 100 ug

Applications



CHAT polyclonal antibody (Cat # PAB29065) was analyzed by immunocytochemical staining (at a concentration of 3 ug/mL) using fluorescein-labeled goat anti-chicken IgY (1:500 dilution) as the secondary reagent. CHAT-positive neurons (red) in the neostriatum of a GFP-expressing transgenic mouse.

Specification

Product Description	Chicken polyclonal antibody raised against recombinant Human CHAT.
Immunogen	A KLH-conjugated synthetic peptide corresponding to a region of CHAT gene product shared between the human (P_066264, NCBI) and mouse (Q03059, NCBI) sequences.
Host	Chicken
Reactivity	Human, Mouse
Form	Liquid
Purification	Antigen affinity purification
Isotype	IgY
Quality Control Testing	Immunocytochemistry CHAT polyclonal antibody (Cat # PAB29065) was analyzed by immunocytochemical staining (at a concentration of 3 ug/mL) using fluorescein-labeled goat anti-chicken IgY (1:500 dilution) as the secondary reagent. CHAT-positive neurons (red) in the neostriatum of a GFP-expressing transgenic mouse.

Recommend Usage	Immunocytochemistry(1:1000-1:2000) Immunohistochemistry(1:1000-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (0.02% sodium azide)
Storage Instruction	Store at 4°C and avoid from light. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Immunohistochemistry
- Immunocytochemistry

Gene Info — CHAT

Entrez GeneID	1103
Protein Accession#	P_066264
Gene Name	CHAT
Gene Alias	CMS1A, CMS1A2
Gene Description	choline acetyltransferase
Omim ID	118490 254210
Gene Ontology	Hyperlink
Gene Summary	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 disease. 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. [provided by RefSeq]
Other Designations	OTTHUMP00000019583 OTTHUMP00000019584 acetyl CoA:choline O-acetyltransferase

Gene Info — Chat

Entrez GeneID	12647
Protein Accession#	P_066264
Gene Name	Chat
Gene Alias	B230380D24Rik
Gene Description	choline acetyltransferase
Gene Ontology	Hyperlink
Other Designations	-

Pathway

- [Glycerophospholipid metabolism](#)

Disease

- [Alzheimer disease](#)
- [Amnesia](#)
- [Bipolar Disorder](#)
- [Cardiovascular Diseases](#)
- [Cognition](#)
- [Cognition Disorders](#)
- [Depressive Disorder](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)

- [Hypercholesterolemia](#)
- [Mental Disorders](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Neuropsychological Tests](#)
- [Osteoporosis](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Tobacco Use Disorder](#)
- [Weight Gain](#)