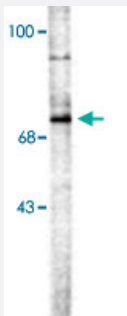


CHAT polyclonal antibody

Catalog # PAB14525 Size 100 uL

Applications



Western Blot (Tissue lysate)

Western blot of rat brain lysate showing specific immunolabeling of the ~70 kDa CHAT protein.

Specification

Product Description	Goat polyclonal antibody raised against native CHAT.
Immunogen	Native purified CHAT from human placenta.
Host	Goat
Reactivity	Human
Form	Liquid
Recommend Usage	Western Blot (1:100) Immunohistochemistry (1:100) The optimal working dilution should be determined by the end user.
Storage Buffer	In 10 mM HEPES (pH 7.5), 150 mM NaCl (100 ug/mL BSA and 50% glycerol).
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

Western blot of rat brain lysate showing specific immunolabeling of the ~70 kDa CHAT protein.

- Immunohistochemistry

Gene Info — CHAT

Entrez GeneID [1103](#)

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

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](#)