

MaxPab®

CHAT purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00001103-B01P

Size 500 ug

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human CHAT protein.
Immunogen	CHAT (ADR83068.1, 1 a.a. ~ 630 a.a) full-length human protein.
Sequence	MAAKTPSSEESGLPKLPVPPLQQTLATYLQCMRHLVSEEQFRKSQAMQQFGAPGGLGETLQQK LLERQEKTANWVSEYWLNDMYLNNRLALPVNSSPAVIFARQHFP GTDDQLRFAASLISGVLSYKA LLDSHSIPTDCAKGQLSGQPLCMKQYYGLFSSYRLPGHTQDTLVAQNSSIMPEPEHVIVACCNQF FVL DVVINFRRLSEGDLFTQLRKIVKMASNEDERLPPIGLLTSDGRSEWAEARTVLVKDSTNRDSL DMIERCICLVCLDAPGGVELSDTHRALQLLHGGGYSKNGANRWYDKSLQFVVGRDGTGCVVCEH SPFDGMLVQC TEHLLKHMTQSSRKLIRADSVSEL PAPRRLRWKCSPEIQGHLASSAEKLQRMKN LDFIVYKFDNYGKTFIKKQKCSPDAFIQVALQLAFYRLHRRLVPTYESASIRRFQEGRVDNIRSATPE ALAFVRAVTDHKAAPASEKLLLLKDAIRAQTAYTVMAITGMAIDNHLLALRELARAMCKELPEMF MDETYLMSNRFVLSTSQVPTTTEMFCCYGPVVPNGYGACYNPQPETILFCISSFHCKETSSSKF AKAVEESLIDMRDLCSSLPTESKPLATKEKATRPSQGHQP
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (88); Rat (89)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

Gene Info — CHAT

Entrez GeneID [1103](#)

GeneBank Accession# [HQ258314.1](#)

Protein Accession# [ADR83068.1](#)

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](#)
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- [Neuropsychological Tests](#)
- [Osteoporosis](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Tobacco Use Disorder](#)
- [Weight Gain](#)