



Anti-CHAT monoclonal antibody, clone FQS24135(C) (DCABH-7001)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Rabbit monoclonal to Choline Acetyltransferase
Antigen Description	Catalyzes the reversible synthesis of acetylcholine (ACh) from acetyl CoA and choline at cholinergic synapses.
Immunogen	Synthetic peptide (the amino acid sequence is considered to be commercially sensitive) within Human Choline Acetyltransferase aa 700 to the C-terminus. The exact sequence is proprietary. Database link: P28329
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Mouse, Rat, Human
Clone	FQS24135(C)
Conjugate	Unconjugated
Applications	ICC/IF, Flow Cyt, IP, WB
Positive Control	SH-SY5Y and Human fetal brain lysate. SH-SY5Y cells.
Format	Liquid
Size	40 µl
Buffer	Preservative: 0.01% Sodium azide; Constituents: 40% Glycerol, 59% PBS, 0.05% BSA
Preservative	0.01% Sodium Azide

Storage	Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Ship	Shipped at 4°C.

GENE INFORMATION

Gene Name	CHAT choline O-acetyltransferase [Homo sapiens]
Official Symbol	CHAT
Synonyms	CHAT; choline O-acetyltransferase; choline acetyltransferase; choline acetylase; acetyl CoA:choline O-acetyltransferase; CMS1A; CMS1A2; CHOACTASE;
Entrez Gene ID	1103
Protein Refseq	NP_001136401
UniProt ID	D3DX95
Chromosome Location	10q11.2
Pathway	Acetylcholine Neurotransmitter Release Cycle, organism-specific biosystem; Acetylcholine Synthesis, organism-specific biosystem; Biogenic Amine Synthesis, organism-specific biosystem; Cholinergic synapse, organism-specific biosystem; Glycerophospholipid metabolism, organism-specific biosystem; Glycerophospholipid metabolism, conserved biosystem; Neuronal System, organism-specific biosystem;
Function	choline O-acetyltransferase activity; choline binding; transferase activity, transferring acyl groups;