

ARG67281 anti-Choline Acetyltransferase antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Monoclonal antibody recognizes Choline Acetyltransferase
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-P, IP, WB
Host	Rabbit
Clonality	Monoclonal
Isotype	IgG,Kappa
Target Name	Choline Acetyltransferase
Conjugation	Un-conjugated
Alternate Names	CHAT; Choline O-Acetyltransferase ; CHOACTase; Choline Acetylase; EC 2.3.1.6; Acetyl CoA:Choline O-Acetyltransferase; Choline Acetyltransferase; EC 2.3.1; CMS1A2; CMS1A; CMS6; ChAT

Application Instructions

Application table	Application	Dilution
	IHC-P	1:200 - 1:1000
	IP	1:50 - 1:200
	WB	1:2000 - 1:10000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

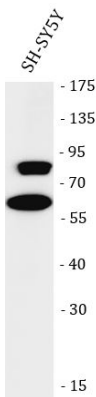
Properties

Form	Liquid
Purification	Purification with Protein A
Buffer	PBS, 0.05% Proclin 300, 50% glycerol and 0.05% BSA
Preservative	0.05% Proclin 300
Stabilizer	50% glycerol and 0.05% BSA
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	CHAT
Gene Full Name	Choline O-Acetyltransferase
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. [provided by RefSeq, May 2010]
Function	Catalyzes the reversible synthesis of acetylcholine (ACh) from acetyl CoA and choline at cholinergic synapses. [UniProt]
Calculated Mw	83 kDa

Images



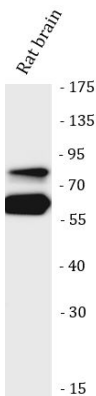
ARG67281 anti-Choline Acetyltransferase antibody WB image

Western blot: SH-SY5Y stained with ARG67281 anti-Choline Acetyltransferase antibody.



ARG67281 anti-Choline Acetyltransferase antibody WB image

Western blot: Mouse brain stained with ARG67281 anti-Choline Acetyltransferase antibody.



ARG67281 anti-Choline Acetyltransferase antibody WB image

Western blot: Rat brain stained with ARG67281 anti-Choline Acetyltransferase antibody.