

Datasheet for ABIN2779369

anti-Choline Acetyltransferase antibody (C-Term)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µL
Target:	Choline Acetyltransferase (CHAT)
Binding Specificity:	C-Term
Reactivity:	Human, Dog, Pig, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Choline Acetyltransferase antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Sequence:	SSFHCKETS SSKFAKAVEE SLIDMRDLCS LLPPTESKPL ATKEKATRPS
Predicted Reactivity:	Dog: 100%, Horse: 100%, Human: 100%, Pig: 91%
Characteristics:	This is a rabbit polyclonal antibody against CHAT. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	Choline Acetyltransferase (CHAT)
Alternative Name:	CHAT (CHAT Products)
Background:	CHAT is an enzyme which catalyzes the biosynthesis of the neurotransmitter acetylcholine. This protein is a characteristic feature of cholinergic neurons, and changes in these neurons

Target Details

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.

Alias Symbols: CMS1A, CMS1A2, CHOACTASE

Protein Interaction Partner: NEDD9, CAMK2A, CAMK2G, PRKCZ, PRKCG, PRKCD, PRKCE, PRKCB, PRKCA,

Protein Size: 630

Molecular Weight: 70 kDa

Gene ID: 1103

NCBI Accession: [NM_020984](#), [NP_066264](#)

UniProt: [A2BDF5](#)

Pathways: [Skeletal Muscle Fiber Development](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 630 AA

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

Preservative: Sodium azide

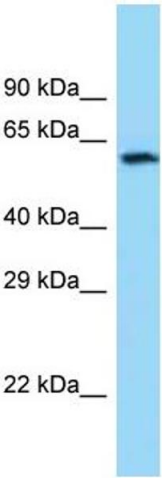
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -20 °C

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small

aliquots to prevent freeze-thaw cycles.



Western Blotting

Image 1. WB Suggested Anti-CHAT Antibody Titration: 1.0 ug/ml Positive Control: Fetal Brain