

Datasheet for ABIN965895
anti-ChT antibody (C-Term)



[Go to Product page](#)

1 Publication

Overview

Quantity:	0.1 mg
Target:	ChT
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ChT antibody is un-conjugated
Application:	Immunohistochemistry (IHC)

Product Details

Immunogen:	Polyclonal antibody produced in rabbits immunizing with a synthetic peptide corresponding to C-terminal residues of human choline transporter
Purification:	Purified by antigen-specific affinity chromatography.

Target Details

Target:	ChT
Alternative Name:	CHT1 (ChT Products)
Background:	<p>The choline transporter is a hemicholinium-3-sensitive phosphorylated transmembrane protein, the protein regulates high-affinity choline uptake, and plays the roles in disease states.</p> <p>CHT1(High-affinity choline transporter 1) imports choline from the extracellular space to the neuron with high affinity. Choline uptake is the rate-limiting step in acetylcholine synthesis.</p>

Target Details

CHT1 is sodium ion and chloride ion-dependent. CHT1 is expressed in putamen, spinal cord and medulla and is specific for cholinergic neurons. CHT1 is specifically inhibited by nanomolar concentrations of hemicholinium 3. CHT1 belongs to the sodium: solute symporter (SSF) (TC 2.A.21) family.

Application Details

Application Notes: ELISA, Western blotting: 1 µg/ml for 2hrs.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: This antibody is stored in PBS, 50% glycerol

Preservative: Sodium azide

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

Storage: -20 °C

Publications

Product cited in: Apparsundaram, Ferguson, George, Blakely: "Molecular cloning of a human, hemicholinium-3-sensitive choline transporter." in: **Biochemical and biophysical research communications**, Vol. 276, Issue 3, pp. 862-7, (2000) ([PubMed](#)).