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anti-ChT antibody (C-Term)



Publication



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Overview	
Quantity:	0.1 mg
Target:	ChT
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
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:	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.
	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.

CHT1 is sodium ionand chloride ion-dependent. CHT1 is expressed in putamen, spinal cord and

Target Details

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.

by FK-506 and cyclosporin A." in: Nature, Vol. 352, Issue 6338, pp. 803-7, (1991) (PubMed).

Application Details

Application Notes:	ELISA, Western blotting: 1µg/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:	Flanagan, Corthésy, Bram, Crabtree: "Nuclear association of a T-cell transcription factor blocked