

Anti-CHT1(High-affinity choline transporter 1) Polyclonal Antibody

Cat. #: 60B206

Description:

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 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.

Immunogen/Specificity:

Polyclonal antibody produced in rabbits immunizing with a synthetic peptide corresponding to C-terminal residues of human choline transporter

References

Apparsundaram,S., et al, Biochem. Biophys. Res. Commun. 276 (3), 862-867 (2000)
Okuda,T. et al, FEBS Lett. 484 (2), 92-97 (2000)
Okuda,T., et al, J. Biol. Chem. 277 (47), 45315-45322 (2002)

Clone Number:

Isotype:

Species: human, mouse, rat

Storage and Stability: at -20oC

Storage buffer:

This antibody is stored in PBS, 0.01% sodium azide and 50% glycerol.

Preparation:

Purified by antigen-specific affinity chromatography.

Applications :

ELISA

Western Blotting (1µg/ml for 2hrs)