

CHPT1 Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP10186a

Specification

CHPT1 Antibody (N-term) Blocking peptide - Product Information

Primary Accession [O8WUD6](#)
Other Accession [NP_064629.2](#)

CHPT1 Antibody (N-term) Blocking peptide - Additional Information

Gene ID 56994

Other Names

Cholinephosphotransferase 1, hCPT1, AAPT1-like protein, Diacylglycerol cholinephosphotransferase 1, CHPT1, CPT1

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

CHPT1 Antibody (N-term) Blocking peptide - Protein Information

Name CHPT1 ([HGNC:17852](#))

Synonyms CPT1

Function

Catalyzes the final step of de novo phosphatidylcholine (PC) synthesis, i.e. the transfer of choline phosphate from CDP-choline to the free hydroxyl of a diacylglycerol (DAG), producing a PC. It thereby plays a central role in the formation and maintenance of vesicular membranes.

Cellular Location

Golgi apparatus membrane; Multi-pass membrane protein

Tissue Location

Highly expressed in testis, colon, small intestine, heart, prostate and spleen. Also detected in kidney, skeletal muscle, pancreas, leukocytes, ovary and thymus. Weakly expressed in the brain, placenta and lung. Overexpressed in cancerous breast epithelial cell lines.

CHPT1 Antibody (N-term) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

CHPT1 Antibody (N-term) Blocking peptide - Images**CHPT1 Antibody (N-term) Blocking peptide - References**

Akech, J., et al. Biochem. Biophys. Res. Commun. 333(1):35-41(2005) Ghosh, A., et al. Biochem. Biophys. Res. Commun. 297(4):1043-1048(2002) Henneberry, A.L., et al. J. Biol. Chem. 275(38):29808-29815(2000)