

CHPT1 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP10186a**Specification**

CHPT1 Antibody (N-term) - Product Information

Application	WB, FC,E
Primary Accession	Q8WUD6
Other Accession	Q8C025 , Q1LZE6 , Q8WUD6-2 , NP_064629.2
Reactivity	Human
Predicted	Bovine, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	45097
Antigen Region	7-33

CHPT1 Antibody (N-term) - Additional Information**Gene ID** 56994**Other Names**Cholinephosphotransferase 1, hCPT1, AAPT1-like protein, Diacylglycerol
cholinephosphotransferase 1, CHPT1, CPT1**Target/Specificity**This CHPT1 antibody is generated from rabbits immunized with a KLH conjugated synthetic
peptide between 7-33 amino acids from the N-terminal region of human CHPT1.**Dilution**WB~~1:1000
FC~~1:10~50**Format**Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is
purified through a protein A column, followed by peptide affinity purification.**Storage**Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small
aliquots to prevent freeze-thaw cycles.**Precautions**CHPT1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic
procedures.**CHPT1 Antibody (N-term) - 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

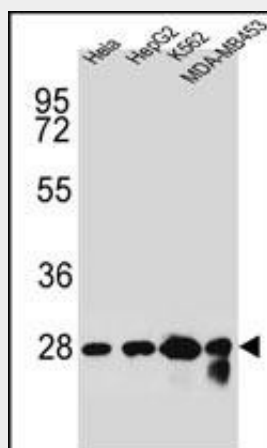
Highly expressed in testis, colon, small intestine, heart, prostate and spleen. Also detected in kidney, skeletal muscle, pancreas, leukocytes, ovary and thymus. Weakly expressed in the brain, placenta and lung. Overexpressed in cancerous breast epithelial cell lines.

CHPT1 Antibody (N-term) - Protocols

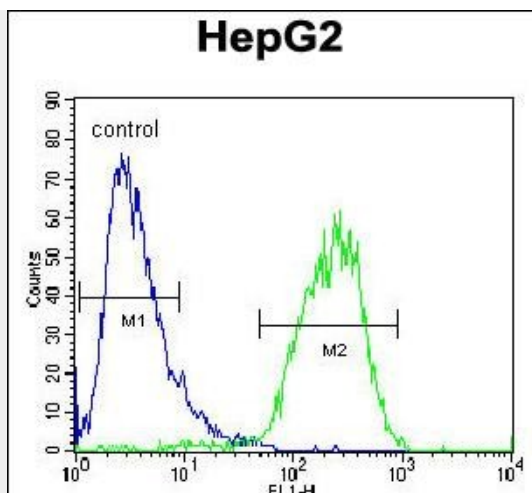
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CHPT1 Antibody (N-term) - Images



CHPT1 Antibody (N-term) (Cat. #AP10186a) western blot analysis in HeLa, HepG2, K562, MDA-MB453 cell line lysates (35ug/lane). This demonstrates the CHPT1 antibody detected the CHPT1 protein (arrow).



CHPT1 Antibody (N-term) (Cat. #AP10186a) flow cytometric analysis of HepG2 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

CHPT1 Antibody (N-term) - 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)