甘油二酯胆碱磷酸转移酶抗体

产品货号： mlR9725

英文名称： CHPT1

中文名称： 甘油二酯胆碱磷酸转移酶抗体

别　名: AAPT1-like protein; Cholinephosphotransferase 1; chpt1; CHPT1_HUMAN; Diacylglycerol cholinephosphotransferase 1; hCPT1.

研究领域： 肿瘤　心血管　细胞生物　免疫学　细胞周期蛋白　细胞分化

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat, Chicken, Dog, Pig, Cow, Horse, Rabbit, Sheep,

产品应用： ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 IF=1:50-200 （石蜡切片需做抗原修复）

not yet tested in other applications.

optimal dilutions/concentrations should be determined by the end user.

分 子 量： 45kDa

细胞定位： 细胞浆 细胞膜

性　　状： Lyophilized or Liquid

浓　　度： 1mg/ml

免 疫 原： KLH conjugated synthetic peptide derived from human CHPT1:61-160/406

亚　　型： IgG

纯化方法： affinity purified by Protein A

储 存 液： 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

保存条件： Store at -20 ° C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20° C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 ° C.

PubMed： PubMed

产品介绍 background:

CHPT1, also known as AAPT1-like protein and Diacylglycerol cholinephosphotransferase 1, is a 406 amino acid multi-pass membrane protein that is localized to the golgi apparatus. By catalyzing the phosphatidylcholine biosynthesis from CDP-choline, it plays an essential role in the formation and maintenance of vesicular membranes. CHPT1 is most abundant in testis, as well as small intestine, heart, colon, spleen and prostate. Expression of CHPT1 is increased in cancerous breast cells as compared to normal breast cell lines and it has been determined that the CHPT1 gene exhibits mutations within the cancerous cells. Interestingly, exposure to mustard gas significantly decreases CHPT1 gene expression and activity, an event that may play an important role in the development of acute respiratory distress syndrome (ARDS). There are two isoforms of CHPT1 that are produced as a result of alternative splicing events.

Function:

Catalyzes phosphatidylcholine biosynthesis from CDP-choline. It thereby plays a central role in the formation and maintenance of vesicular membranes.

Subcellular Location:

Golgi apparatus membrane.

Tissue Specificity:

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.

Similarity:

Belongs to the CDP-alcohol phosphatidyltransferase class-I family.

SWISS:

Q8WUD6

Gene ID:

56994

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.