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Rabbit Anti-CEPT1 antibody

SL12284R

Product Name:	CEPT1
Chinese Name:	胆碱/乙醇胺磷酸转移酶1抗体
Alias:	Cept1; CEPT1_HUMAN; Choline/ethanolamine phosphotransferase 1; Choline/ethanolaminephosphotransferase 1; DKFZp313G0615; hCEPT1; MGC45223.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	47kDa
Cellular localization:	The nucleuscytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human CEPT1:351-416/416
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	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
Product Detail:	Cholinephosphotransferase catalyses the final step in the synthesis of phosphatidylcholine by the transfer of phosphocholine from CDP-choline to diacylglycerol. The synthesis of phosphatidylethanolamine by ethanolaminephosphotransferase occurs using an analogous reaction. This gene codes for a choline/ethanolaminephosphotransferase. The protein can synthesize either choline- or ethanolamine- containing phospholipids. Two alternatively spliced

transcripts encoding the same isoform have been identified. [provided by RefSeq, Jul 2008].

Function:
Catalyzes both phosphatidylcholine and phosphatidylethanolamine biosynthesis from CDP-choline and CDP-ethanolamine, respectively. Involved in protein-dependent process of phospholipid transport to distribute phosphatidyl choline to the lumenal surface. Has a higher cholinephosphotransferase activity than ethanolaminephosphotransferase activity.

Subcellular Location:
Endoplasmic reticulum membrane. Nucleus membrane.

Tissue Specificity:
Ubiquitously expressed.

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

SWISS:
Q9Y6K0

Gene ID:
10390

Database links:

Entrez Gene: 10390Human

Entrez Gene: 99712Mouse

Entrez Gene: 310773Rat

Entrez Gene: 379805Xenopus laevis

SwissProt: Q9Y6K0Human

SwissProt: Q8BGS7Mouse

SwissProt: Q6AXM5Rat

SwissProt: Q7ZYQ3Xenopus laevis

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