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CEPT1 Rabbit pAb

Catalog # AP99985

Product Information

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	Q9Y6K0
Other Accession	Q9Y6K0
Predicted	Rat, Pig, Human, Mouse, Rabbit, Chicken, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	46554
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human CEPT1
Epitope Specificity	351-416/416
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the CDP-alcohol phosphatidyltransferase class-I family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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].

Additional Information

Gene ID	10390
Other Names	9930118K05Rik; mCEPT1; XELAEV_180148281mg; cept1; CEPT1_HUMAN; hCEPT1; 1-alkenyl-2-acylglycerol choline phosphotransferase; 2.7.8.1; 2.7.8.2; CEPT1_MOUSE; CEPT1_RAT; CEPT1_XENLA; choline/ethanolamine phosphotransferase 1
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

Protein Information

Name	CEPT1 {ECO:0000303|PubMed:12216837, ECO:0000312|HGNC:HGNC:24289}
Function	Catalyzes both phosphatidylcholine and phosphatidylethanolamine biosynthesis from CDP-choline and CDP- ethanolamine, respectively (PubMed:10191259, PubMed:10893425, PubMed:12216837, PubMed:37137909). Involved in protein-dependent process of phospholipid transport to distribute phosphatidyl choline to the lumenal surface (PubMed:10191259, PubMed:10893425, PubMed:12216837). Has a higher cholinephosphotransferase activity than ethanolaminephosphotransferase activity (PubMed:10191259, PubMed:12216837).
Cellular Location	Endoplasmic reticulum membrane; Multi-pass membrane protein. Nucleus membrane; Multi-pass membrane protein
Tissue Location	Ubiquitously expressed.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.