



Anti-CDIPT monoclonal antibody (DCABH-10966)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	Phosphatidylinositol breakdown products are ubiquitous second messengers that function downstream of many G protein-coupled receptors and tyrosine kinases regulating cell growth, calcium metabolism, and protein kinase C activity. Two enzymes, CDP-diacylglycerol synthase and phosphatidylinositol synthase, are involved in the biosynthesis of phosphatidylinositol. Phosphatidylinositol synthase, a member of the CDP-alcohol phosphatidyl transferase class-I family, is an integral membrane protein found on the cytoplasmic side of the endoplasmic reticulum and the Golgi apparatus.
----------------------------	---

Immunogen	A synthetic peptide of human CDIPT is used for rabbit immunization.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Protein A
Conjugate	Unconjugated
Applications	Western Blot (Transfected lysate); ELISA
Buffer	In 1x PBS, pH 7.4
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	CDIPT CDP-diacylglycerol--inositol 3-phosphatidyltransferase [Homo sapiens]
Official Symbol	CDIPT
Synonyms	CDIPT; CDP-diacylglycerol--inositol 3-phosphatidyltransferase; CDP diacylglycerol inositol 3 phosphatidyltransferase (phosphatidylinositol synthase); phosphatidylinositol synthase; PIS; PIS1; PI synthase; PtdIns synthase; MGC1328;
Entrez Gene ID	10423
Protein Refseq	NP_006310
UniProt ID	A8K3L7
Chromosome Location	16p12.1
Pathway	3-phosphoinositide biosynthesis, organism-specific biosystem; 3-phosphoinositide biosynthesis, conserved biosystem; D-myo-inositol (1,4,5)-trisphosphate biosynthesis, organism-specific biosystem; D-myo-inositol (1,4,5)-trisphosphate biosynthesis, conserved biosystem; Glycerophospholipid metabolism, organism-specific biosystem; Glycerophospholipid metabolism, conserved biosystem; Inositol phosphate metabolism, organism-specific biosystem;
Function	CDP-diacylglycerol-inositol 3-phosphatidyltransferase activity; alcohol binding; diacylglycerol binding; manganese ion binding; phosphotransferase activity, for other substituted phosphate groups; sugar binding; transferase activity;