DNAxPAb | Hard-to-Find Antibody

CDS2 DNAxPab

Catalog # H00008760-W01P Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human CDS2 DNA using DNAx™ Immune tec hnology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MTELRQRVAHEPVAPPEDKESESEAKVDGETASDSESRAESAPLPVSADDTPEVLNRALSNLS SRWKNWWVRGILTLAMIAFFFIIIYLGPMVLMIIVMCVQIKCFHEIITIGYNVYHSYDLPWFRTLSWYFLL CVNYFFYGETVTDYFFTLVQREEPLRILSKYHRFISFTLYLIGFCMFVLSLVKKHYRLQFYMFGWTHV TLLIVVTQSHLVIHNLFEGMIWFIVPISCVICNDIMAYMFGFFFGRTPLIKLSPKKTWEGFIGGFFATVV FGLLLSYVMSGYRCFVCPVEYNNDTNSFTVDCEPSDLFRLQEYNIPGVIQSVIGWKTVRMYPFQIH SIALSTFASLIGPFGGFFASGFKRAFKIKDFANTIPGHGGIMDRFDCQYLMATFVNVYIASFIRGPNP SKLIQQFLTLRPDQQLHIFNTLRSHLIDKGMLTSTTEDE
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

  Protocol Download

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

Gene Info — CDS2

Entrez GeneID	8760
GeneBank Accession#	NM_003818.2
Protein Accession#	NP_003809.1
Gene Name	CDS2
Gene Alias	FLJ38111
Gene Description	CDP-diacylglycerol synthase (phosphatidate cytidylyltransferase) 2
Omim ID	603549
Gene Ontology	Hyperlink
Gene Summary	Breakdown products of phosphoinositides are ubiquitous second messengers that function down stream of many G protein-coupled receptors and tyrosine kinases regulating cell growth, calcium metabolism, and protein kinase C activity. This gene encodes an enzyme which regulates the am ount of phosphatidylinositol available for signaling by catalyzing the conversion of phosphatidic ac id to CDP-diacylglycerol. This enzyme is an integral membrane protein localized to two subcellula r domains, the matrix side of the inner mitochondrial membrane where it is thought to be involved i n the synthesis of phosphatidylglycerol and cardiolipin and the cytoplasmic side of the endoplasmi c reticulum where it functions in phosphatidylinositol biosynthesis. Two genes encoding this enzy me have been identified in humans, one mapping to human chromosome 4q21 and a second to 2 0p13. [provided by RefSeq
Other Designations	CDP-DAG synthase 2|CDP-DG synthetase 2|CDP-diacylglycerol synthase 2|CDP-diglyceride dip hosphorylase 2|CDP-diglyceride pyrophosphorylase 2|CDP-diglyceride synthetase 2|CTP:phosp hatidate cytidylyltransferase 2|OTTHUMP00000030195|phosphatidate cytidylyltran

Pathway

- Glycerophospholipid metabolism
- Metabolic pathways
- Phosphatidylinositol signaling system

Disease

- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- Tobacco Use Disorder