CDS2 rabbit monoclonal antibody

Catalog # H00008760-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human CDS2 peptide using ARM Technology.
Immunogen	A synthetic peptide of human CDS2 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human CDS2 peptide by ELISA and mammalian transfected lysate by We stern Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering in cluding $F(ab)_2$, IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

  Protocol Download

- ELISA

Gene Info — CDS2

Entrez GeneID	8760
GeneBank Accession#	CDS2
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