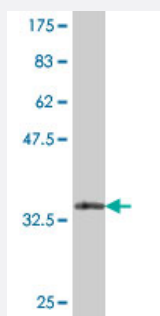


CDS2 polyclonal antibody (A01)

Catalog # H00008760-A01

Size 50 uL

Applications



Western Blot detection against Immunogen (33.48 KDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a partial recombinant CDS2.
Immunogen	CDS2 (NP_003809, 1 a.a. ~ 67 a.a) partial recombinant protein with GST tag.
Sequence	MTELRQRVAHEPVAPPEDKESESEAKVDGETASDSESRAESAPLPVSADDTPEVLNRALSNLS SRWK
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (96); Rat (94)
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (33.48 KDa) .
Storage Buffer	50 % glycerol
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — CDS2

Entrez GeneID [8760](#)

GeneBank Accession# [NM_003818](#)

Protein Accession# [NP_003809](#)

Gene Name CDS2

Gene Alias FLJ38111

Gene Description CDP-diacylglycerol synthase (phosphatidate cytidyltransferase) 2

Omim ID [603549](#)

Gene Ontology [Hyperlink](#)

Gene Summary

Breakdown products of phosphoinositides 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. This gene encodes an enzyme which regulates the amount of phosphatidylinositol available for signaling by catalyzing the conversion of phosphatidic acid to CDP-diacylglycerol. This enzyme is an integral membrane protein localized to two subcellular domains, the matrix side of the inner mitochondrial membrane where it is thought to be involved in the synthesis of phosphatidylglycerol and cardiolipin and the cytoplasmic side of the endoplasmic reticulum where it functions in phosphatidylinositol biosynthesis. Two genes encoding this enzyme have been identified in humans, one mapping to human chromosome 4q21 and a second to 20p13. [provided by RefSeq]

Other Designations

CDP-DAG synthase 2|CDP-DG synthetase 2|CDP-diacylglycerol synthase 2|CDP-diglyceride diphosphorylase 2|CDP-diglyceride pyrophosphorylase 2|CDP-diglyceride synthetase 2|CTP:phosphatidate cytidyltransferase 2|OTTHUMP00000030195|phosphatidate cytidyltran

Pathway

- [Glycerophospholipid metabolism](#)
- [Metabolic pathways](#)
- [Phosphatidylinositol signaling system](#)

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Tobacco Use Disorder](#)