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anti-CDS1 antibody (N-Term)

2 Images



Overview

Quantity:	100 μL
Target:	CDS1
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Rabbit, Cow, Dog, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CDS1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human CDS1
Sequence:	MLELRHRGSC PGPREAVSPP HREGEAAGGD HETESTSDKE TDIDDRYGDL
Predicted Reactivity:	Cow: 100%, Dog: 100%, Human: 100%, Mouse: 100%, Pig: 100%, Rabbit: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against CDS1. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	CDS1
Alternative Name:	CDS1 (CDS1 Products)
Background:	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. CDS1 is 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.

Alias Symbols: CDS

Protein Interaction Partner: UBC, CDC25C,

Protein Size: 461

Molecular Weight: 53 kDa

Gene ID: 1040

NCBI Accession: NM_001263, NP_001254

UniProt: Q92903

Pathways: Inositol Metabolic Process

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 461 AA
Restrictions:	For Research Use only

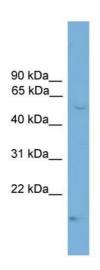
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.

Handling

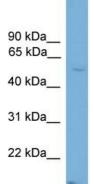
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Imagas	

Images



Western Blotting

Image 1. WB Suggested Anti-CDS1 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500 Positive Control: Jurkat cell lysate



Rabbit Anti-CDS1 Antibody Catalog Number: ARP45071 Lot Number: QC15044 Lane: Jurkat Cell Lysate

Antibody Titration: 1.0µg/ml Gel Concentration: 12%

Western Blotting

Image 2. WB Suggested Anti-CDS1

Antibody Titration: 0.2-1 µg/mL ELISA Titer: 1:.2500

Positive Control: Jurkat cell lysate