



# Anti-CDS1 (aa 288-337) polyclonal antibody (CABT-BL1026)

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

## PRODUCT INFORMATION

<b>Immunogen</b>	Synthetic peptide corresponding to a region within internal sequence amino acids 288-337 (VVFGFIAAYV LSKYQYFVCP VEYRSDVNSF VTECEPSELF QLQTYSLPPF) of Human CDS1.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Mouse, Human
<b>Purification</b>	Immunogen affinity purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB
<b>Cellular Localization</b>	Endoplasmic reticulum membrane. Cytoplasmic aspect of the endoplasmic reticulum.
<b>Format</b>	Liquid
<b>Buffer</b>	2% Sucrose, PBS
<b>Preservative</b>	None
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.

## BACKGROUND

<b>Introduction</b>	Breakdown products of phosphoinositides are ubiquitous second messengers that function downstream of many G protein-coupled receptors and tyrosine kinases regulating cell growth,
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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.

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## GENE INFORMATION

Entrez Gene ID	<a href="#">1040</a>
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Protein Refseq	<a href="#">NP_001254</a>
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UniProt ID	<a href="#">A0A024RDG8</a>
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