

CDS2

Reactivity: Human

Tested applications: WB

Recommended Dilution: WB 1:500 - 1:2000

Calculated MW: 51kDa

Observed MW: Refer to figures

Immunogen:

A synthetic Peptide of human CDS2

Storage Buffer:

Store at 4. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Catalog #: A4248

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 8760

Isotype: IgG

Swiss Prot: O95674

Purity: Affinity purification

For research use only.

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. 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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