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CDS1 Rabbit pAb

Catalog No.: A13758

Basic Information

Observed MW
57kDa

Calculated MW
53kDa

Category
Primary antibody

Applications
ELISA,WB

Cross-Reactivity
Human

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.

Recommended Dilutions

WB	1:500 - 1:2000

Immunogen Information

Gene ID
1040

Swiss Prot
Q92903

Immunogen
Recombinant fusion protein containing a sequence corresponding to amino acids 1-80 of human CDS1 (NP_001254.2).

Synonyms
CDS 1; CDS1

Contact

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Product Information

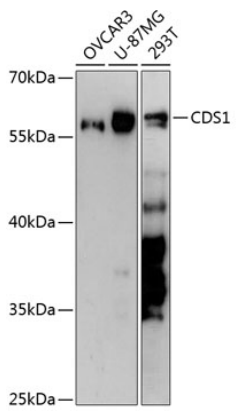
Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.01% thimerosal,50% glycerol,pH7.3.

Validation Data



Western blot analysis of various lysates using CDS1 Rabbit pAb (A13758) at 1:3000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25μg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90s.

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Please visit http://abclonal.com for a complete listing of recommended products.