

# Phospho-CAD-S1859 Rabbit pAb

Catalog No.: AP0884

## Basic Information

### Observed MW

Refer to figures

### Calculated MW

243kDa

### Category

Primary antibody

### Applications

ELISA, WB

### Cross-Reactivity

Human

## Background

The de novo synthesis of pyrimidine nucleotides is required for mammalian cells to proliferate. This gene encodes a trifunctional protein which is associated with the enzymatic activities of the first 3 enzymes in the 6-step pathway of pyrimidine biosynthesis: carbamoylphosphate synthetase (CPS II), aspartate transcarbamoylase, and dihydroorotase. This protein is regulated by the mitogen-activated protein kinase (MAPK) cascade, which indicates a direct link between activation of the MAPK cascade and de novo biosynthesis of pyrimidine nucleotides. Alternative splicing results in multiple transcript variants encoding different isoforms.

## Recommended Dilutions

WB 1:500 - 1:2000

## Immunogen Information

### Gene ID

790

### Swiss Prot

P27708

### Immunogen

A synthetic phosphorylated peptide around S1859 of human CAD (NP\_004332.2).

### Synonyms

CDG1Z; DEE50; GATD4; EIEE50; Phospho-CAD-S1859

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.