

Phospho-CAD-S1859 Rabbit pAb

Catalog No.: AP0884

Basic Information

Observed MW

Refer to figures

Calculated MW

243kDa

Category

Primary antibody

Applications

WB, ELISA

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

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

790

Swiss Prot

P27708

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

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.