

CAD(phospho-Ser1859) Rabbit Polyclonal Antibody

Description

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|--------------------------------|---|
| Product type | Primary Antibody |
| Code | BT-AP01010 |
| Host | Rabbit |
| Isotype | IgG |
| Size | 100ul, 50ul, 20ul |
| Immunogen | Synthesized phospho peptide around human CAD (Ser1859) |
| Mol wt | N/A |
| Species reactivity | Human, Mouse, Rat |
| Clonality | Polyclonal |
| Recommended application | WB |
| Concentration | 1 mg/ml |
| Full name | CAD |
| Synonyms | CAD ;Ser1859 ; CAD protein [Includes: Glutamine-dependent carbamoyl-phosphate synthase; EC 6.3.5.5; Aspartate carbamoyltransferase; EC 2.1.3.2; Dihydroorotase; EC 3.5.2.3; |

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

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 Dilution

WB: 1: 1000 - 1: 2000

Not yet tested in other applications.

Images

No images.

Storage

-20°C for 1 year

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