

CAD (phospho-Ser1859) rabbit pAb

Catalog No: #14028



Package Size: #14028-1 50ul #14028-2 100ul

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Description

Product Name	CAD (phospho-Ser1859) rabbit pAb
Host Species	Rabbit
Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Applications	WB
Species Reactivity	Human,Mouse,Rat
Specificity	This antibody detects endogenous levels of Human Mouse Rat CAD (phospho-Ser1859)
Immunogen Description	Synthesized phosho peptide around human CAD (Ser1859)
Other Names	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)]
Accession No.	Swiss Prot:P27708GeneID:790
SDS-PAGE MW	250
Concentration	1 mg/ml
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	-20°C/1

Application Details

WB 1:1000-2000

Background

carbamoyl-phosphate synthetase 2, aspartate transcarbamylase, and dihydroorotase(CAD) Homo sapiens 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. [provided by RefSeq, Apr 2015],

Note: This product is for in vitro research use only and is not intended for use in humans or animals.