

CAD rabbit pAb

Cat No.:ES7564

For research use only

Overview

Product Name CAD rabbit pAb

Host species Rabbit
Applications IHC;IF;ELISA
Species Cross-Reactivity Human;Mouse

Recommended dilutions Immunohistochemistry: 1/100 - 1/300. ELISA:

1/20000. Not yet tested in other applications.

Immunogen The antiserum was produced against synthesized

peptide derived from human CAD. AA

range:422-471

Specificity CAD Polyclonal Antibody detects endogenous levels

of CAD protein.

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and

0.02% sodium azide.

Storage Store at -20°C. Avoid repeated freeze-thaw cycles.

Protein Name CAD protein

Gene Name CAD

Cytoplasm . Nucleus . Cytosolic and

unphosphorylated in resting cells, translocates to the nucleus in response to EGF stimulation, nuclear

import promotes optimal cell growth.

Purification The antibody was affinity-purified from rabbit

antiserum by affinity-chromatography using

epitope-specific immunogen.

Clonality Polyclonal
Concentration 1 mg/ml
Observed band 250kD
Human Gene ID 790
Human Swiss-Prot Number P27708

Alternative Names CAD; CAD protein

Background The de novo synthesis of pyrimidine nucleotides is

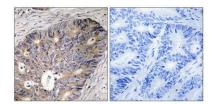
required for mammalian cells to proliferate. This gene encodes a trifunctional protein which is associated with the enzymatic activities of the first 3





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. [provided by RefSeq, Apr 2015],

Immunohistochemistry analysis of paraffin-embedded human colon carcinoma tissue, using CAD Antibody. The picture on the right is blocked with the synthesized peptide.



+86-27-59760950

