

CAD Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP01094
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human CAD. AA range:422-471
Mol wt	242984
Species reactivity	Human, Mouse
Clonality	Polyclonal
Recommended application	IHC-p, ELISA
Concentration	1 mg/ml
Full name	CAD Antibody
Synonyms	CAD; CAD protein

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. CAD (carbamoyl-phosphate synthetase 2, aspartate transcarbamylase, and dihydroorotase) 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.

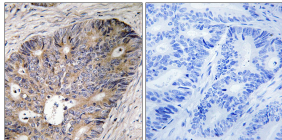
Recommended Dilution

IHC: 1: 100 - 1: 300

ELISA: 1: 20000

Not yet tested in other applications.

Images



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

Storage

-20°C for one year