

CAD antibody

Product Information

Catalog No.:	FNab01183
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

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.

Immunogen information

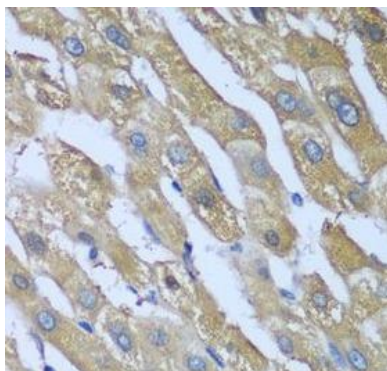
Immunogen:	carbamoyl-phosphate synthetase 2, aspartate transcarbamylase, and dihydroorotase
Synonyms:	Multifunctional protein CAD Carbamoyl phosphate synthetase 2-aspartate transcarbamylase-dihydroorotase CAD
Observed MW:	243 kDa
Uniprot ID :	P27708

Application

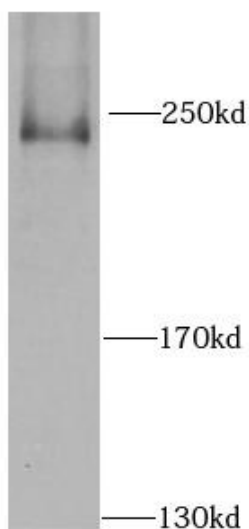
Reactivity:	Human
Tested Application:	ELISA, WB, IHC

Recommended dilution: WB: 1:500 - 1:2000; IHC: 1:50 - 1:100

Image:



Immunohistochemistry of paraffin-embedded human liver using FNa01183(CAD antibody) at dilution of 1:100



HepG2 cells were subjected to SDS PAGE followed by western blot with FNa01183(CAD antibody) at dilution of 1:1000