

Product Name: CAD Rabbit Monoclonal Antibody**Catalog #: AMRe86978**

For research use only.

Summary

Description	Recombinant rabbit monoclonal antibody
Host	Rabbit
Application	WB,ICC/IF,FC,IP
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Concentration	
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% protective protein. Stable for 12 months from date of receipt.
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:2000,ICC/IF 1:100-1:200,FC 1:50-1:200,IP 1:20-1:50
Molecular Weight	Calculated MW:243 kDa; Observed MW:243 kDa

Antigen Information

Gene Name	CAD
Alternative Names	CDG1Z; GATD4; EIEE50
Gene ID	790
SwissProt ID	P27708
Immunogen	A synthetic peptide of human CAD

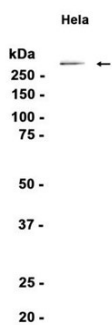
Background

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

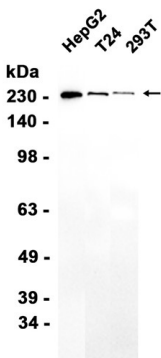
biosynthesis: carbamoylphosphate synthetase (CPS II), aspartate transcarbamoylase, and dihydroorotase. This protein is regulated by the mitogen-activated protein kinase (MAPK) cascade, which indicates a direct link between activation of the MAPK cascade and de novo biosynthesis of pyrimidine nucleotides. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Apr 2015]

Research Area

Image Data



Western blot analysis of extracts from HeLa cells using CAD Rabbit Monoclonal Antibody at 1:1000.



Western blot analysis of extracts from HepG2, T24, 293T cells using AMRe86978 at 1:1000.