

Rabbit anti-Human, Mouse CAD Polyclonal Antibody | anti-CAD antibody

CAD Polyclonal Antibody

CATALOG # AAA174791	HOST Rabbit	REACTIVITY Human, Mouse	APPLICATIONS ELISA, Immunohistochemistry
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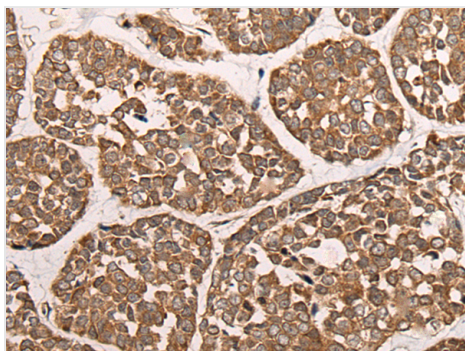
PRODUCT SYNONYMS

CAD; Polyclonal Antibody; CAD Polyclonal Antibody; Aspartate carbamoyltransferase; Aspartate transcarbamylase; CAD protein; CAD trifunctional protein; Carbamoyl phosphate synthetase 2; Carbamoyl-phosphate synthetase 2 aspartate transcarbamylase and dihydroorotase; CPSase ATCase DHOase; Dihydroorotase; Glutamine dependent carbamoyl phosphate synthase; Multifunctional protein CAD; anti-CAD antibody

PRODUCT SPECIFICATIONS

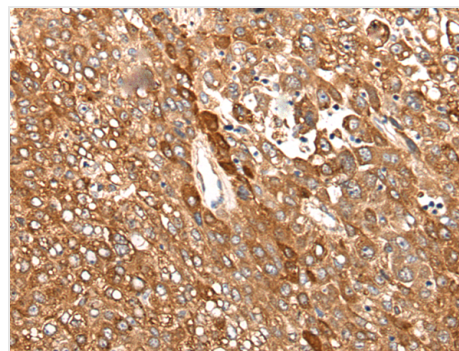
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen Affinity Purification
Form/Format	PBS with 0.05% NaN ₃ and 40% Glycerol, pH7.4
Concentration	0.7mg/mL (varies by lot)
Sequence Length	2225
Applicable Applications for anti-CAD antibody	ELISA, IHC (Immunohistochemistry)
Immunogen	Synthetic peptide of human CAD
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using CAD Polyclonal Antibody at dilution of 1:50(×200)



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human liver cancer tissue using CAD Polyclonal Antibody at dilution of 1:50(×200)

ADDITIONAL INFORMATION

Related Product Information for anti-CAD antibody	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.
Product Categories/Family for anti-CAD antibody	Cancer; Cell Biology; Epigenetics and Nuclear Signaling; Metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	18105007
NCBI GeneID	790
NCBI Accession #	NP_004332.2
NCBI GenBank Nucleotide #	NP_004332.2
UniProt Accession #	P27708
NCBI Official Full Name	CAD protein isoform 1
NCBI Official Synonym Full Names	carbamoyl-phosphate synthetase 2, aspartate transcarbamylase, and dihydroorotase
NCBI Official Symbol	CAD
NCBI Official Synonym Symbols	CDG1Z; GATD4; EIEE50
NCBI Protein Information	CAD protein
UniProt Protein Name	CAD protein
UniProt Gene Name	CAD
UniProt Entry Name	PYR1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/cad-antibody-immunohistochemistry-elisa/174791>