

Rabbit CAD Polyclonal Antibody | anti-CAD antibody

CAD Polyclonal Antibody

CATALOG # AAA28198	HOST Rabbit	APPLICATIONS Western Blot, Immunohistochemistry, Immunofluorescence, Immunocytochemistry
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PRODUCT SYNONYMS

CAD; Polyclonal Antibody; CAD Polyclonal Antibody; anti-CAD antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.
Sequence Length	2162
Applicable Applications for anti-CAD antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry)
Application Notes	WB 1:500 - 1:2000 IHC-P 1:50 - 1:100 IF/ICC 1:50 - 1:200
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1650-1900 of human CAD (NP_004332.2)
Species Reactivity / Cross Reactivity	Human
Preparation and Storage	Store at -20°C. Avoid freeze / thaw cycles.

IMAGES



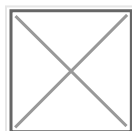
IF (Immunofluorescence)

Immunofluorescence analysis of U-2 OS cells using CAD antibody (AAA28198) at dilution of 1:100. Blue: DAPI for nuclear staining.



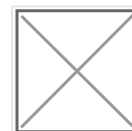
IF (Immunofluorescence)

Immunofluorescence analysis of NIH-3T3 cells using CAD antibody (AAA28198) at dilution of 1:100. Blue: DAPI for nuclear staining.



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded mouse spleen using CAD antibody (AAA28198) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



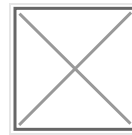
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded rat testis using CAD antibody (AAA28198) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human tonsil using CAD antibody (AAA28198) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using CAD antibody (AAA28198) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 10s

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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	807045910
NCBI GeneID	790
NCBI Accession #	NP_001293008.1
NCBI GenBank Nucleotide #	NM_001306079.1
UniProt Accession #	P27708; Q6P0Q0; Q96CK3; D6W552
Molecular Weight	Observed / Calculated MW: 243kDa
NCBI Official Full Name	CAD protein isoform 2
NCBI Official Synonym Full Names	carbamoyl-phosphate synthetase 2, aspartate transcarbamylase, and dihydroorotase
NCBI Official Symbol	CAD
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-western-blot-immunohistochemistry-immunofluorescence-immunocytochemistry-elisa/28198>