

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

CAD (Phospho-Thr456) Antibody

CATALOG # AAA109741	REACTIVITY Human, Mouse	APPLICATIONS ELISA, Immunohistochemistry
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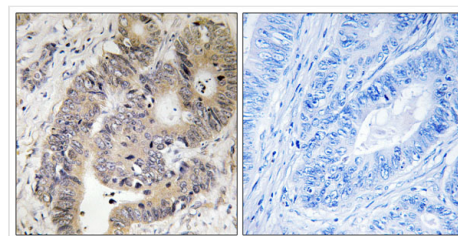
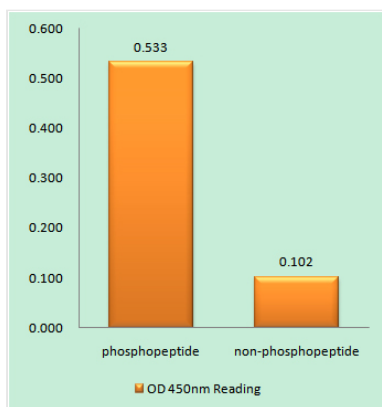
PRODUCT SYNONYMS

CAD; CAD (Phospho-Thr456) Antibody; CAD protein; EC 2.1.3.2; EC 3.5.2.3; EC 6.3.5.5; glutamine-dependent carbamoyl-phosphate synthase; PYR1; anti-CAD antibody

PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse
Specificity	CAD (Phospho-Thr456) antibody detects endogenous levels of CAD only when phosphorylated at threonine 456.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
Form/Format	In phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Sequence Length	2162
Applicable Applications for anti-CAD antibody	ELISA, IHC (Immunohistochemistry)
Immunogen	The antiserum was produced against synthesized phosphopeptide derived from human CAD around the phosphorylation site of threonine 456 (P-I-TP-P-H).
All Sites	Human: Thr456 Mouse: Thr456
Preparation and Storage	Store at -20 degree C for 1 year.

IMAGES



Application Data
P-peptide-+

IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded human colon carcinoma tissue using CAD (Phospho-Thr456) antibody. CAD (Phospho-Thr456) antibody reacts with epitope-specific phosphopeptide and corresponding non-phosphopeptide. The absorbance readings at 450 nm are shown in the ELISA figure.

ADDITIONAL INFORMATION

Product Categories/Family for anti-CAD antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells
References	Iwahana H., Biochem. Biophys. Res. Commun. 219:249-255(1996). Davidson J.N., DNA Cell Biol. 9:667-676(1990). Olsen J.V., Cell 127:635-648(2006).

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	242,984 Da
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 Official Synonym Symbols	CDG1Z; GATD4; EIEE50
NCBI Protein Information	CAD protein
UniProt Protein Name	CAD protein
UniProt Gene Name	CAD

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-mouse-antibody/cad/109741>