

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

PCCA Antibody

CATALOG # AAA323267	HOST Rabbit	REACTIVITY Human, Mouse	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

PCCA; Polyclonal Antibody; PCCA Antibody; mitochondrial; Pcca; pccA COMPLEMENTATION GROUP; PCCA_HUMAN; PCCase subunit alpha; Propanoyl CoA:carbon dioxide ligase subunit alpha; Propanoyl-CoA:carbon dioxide ligase subunit alpha; Propionyl CoA carboxylase alpha chain; Propionyl CoA carboxylase alpha chain mitochondrial; Propionyl CoA carboxylase alpha polypeptide; Propionyl coenzyme A carboxylase alpha polypeptide; Propionyl-CoA carboxylase alpha chain; anti-PCCA antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	PCCA antibody detects endogenous levels of PCCA.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	728
Applicable Applications for anti-PCCA antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human PCCA.
Subcellular Location	Mitochondrion Matrix.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Dog, Chicken, Xenopus
Similarity	Pig (100%), Zebrafish (100%), Bovine (100%), Horse (100%), Sheep (100%), Dog (100%), Chicken (100%), Xenopus (86%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of extracts of NIH/3T3 cells, using PCCA antibody.



IHC (Immunohistochemistry)
AAA323267 at 1/100 staining Human pancreas cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-PCCA antibody	Function: ATP + propanoyl-CoA + HCO3= ADP + phosphate + (S)-methylmalonyl-CoA. Subunit Structure: Probably a dodecamer composed of six biotin-containing alpha subunits and six beta subunits (Probable). Interacts (via the biotin carboxylation domain) with SIRT4 (PubMed:23438705). Interacts with SIRT3 and SIRT5 (PubMed:23438705). Post-translational Modifications: Acetylated.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	65506442
NCBI GeneID	5095
NCBI Accession #	NP_000273.2
NCBI GenBank Nucleotide #	NM_000282.3
UniProt Accession #	P05165; Q15979; Q8WXQ7; B4DKY8; B4DPF9; C9JPQ8
Molecular Weight	Observed: 70 kDa Predicted: 81 kDa
NCBI Official Full Name	propionyl-CoA carboxylase alpha chain, mitochondrial isoform a
NCBI Official Synonym Full Names	propionyl-CoA carboxylase subunit alpha
NCBI Official Symbol	PCCA
NCBI Protein Information	propionyl-CoA carboxylase alpha chain, mitochondrial
UniProt Protein Name	Propionyl-CoA carboxylase alpha chain, mitochondrial
UniProt Gene Name	PCCA
UniProt Synonym Gene Names	PCCase subunit alpha

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.