

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

PCCA Antibody (Center)

CATALOG # AAA289550	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA, Western Blot
-------------------------------	-----------------------	----------------------------	--

PRODUCT SYNONYMS

PCCA; Polyclonal Antibody; PCCA Antibody (Center); Propionyl-CoA carboxylase alpha chain; mitochondrial; PCCase subunit alpha; Propanoyl-CoA:carbon dioxide ligase subunit alpha; anti-PCCA antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PCCA antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 362-390 amino acids from the Central region of human PCCA.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	362-390
Sequence Length	681
Applicable Applications for anti-PCCA antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

PCCA Antibody (Center) immunohistochemistry analysis in formalin fixed and paraffin embedded human breast tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of PCCA Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)

PCCA Antibody (Center) western blot analysis in A549 cell line lysates (35ug/lane). This demonstrates the PCCA antibody detected the PCCA protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-PCCA antibody	The protein encoded by this gene is the alpha subunit of the heterodimeric mitochondrial enzyme Propionyl-CoA carboxylase. PCCA encodes the biotin-binding region of this enzyme. Mutations in either PCCA or PCCB (encoding the beta subunit) lead to an enzyme deficiency resulting in propionic acidemia. Multiple transcript variants encoding different isoforms have been found for this gene.
Product Categories/Family for anti-PCCA antibody	Metabolism; Signal Transduction
References	Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Huang, C.S., et al. Nature 466(7309):1001-1005(2010) Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) : Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009) MacDonald, M.J., et al. Diabetologia 52(6):1087-1091(2009)

NCBI AND UNIPROT INFORMATION

NCBI GI #	65506442
NCBI GeneID	5095
NCBI Accession #	NP_000273.2; NP_001121164.1; NP_001171475.1
NCBI GenBank Nucleotide #	NM_000282.3
UniProt Accession #	P05165; Q15979; Q8WXQ7; B4DKY8; B4DPF9; C9JPQ8
Molecular Weight	80059
NCBI Official Full Name	propionyl-CoA carboxylase alpha chain, mitochondrial isoform a
NCBI Official Synonym Full Names	propionyl CoA carboxylase, alpha polypeptide
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
UniProt Entry Name	PCCA_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/pcca-antibody-immunohistochemistry-western-blot-elisa/289550>