

Rabbit PCCA Polyclonal Antibody | anti-PCCA antibody

PCCA antibody - N-terminal region

CATALOG # AAA197517	HOST Rabbit	REACTIVITY Cow, Dog, Horse, Human, Mouse, Pig, Rabbit, Rat, Zebrafish	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

PCCA; Polyclonal Antibody; PCCA antibody - N-terminal region; anti-PCCA antibody

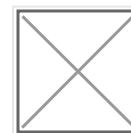
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Dog, Horse, Human, Mouse, Pig, Rabbit, Rat, Zebrafish
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: LY YSRQCLMVSR NLGSGYDPN EKTFDKILVA NRGEIACRVIR TCKKMG
Sequence Length	728
Applicable Applications for anti-PCCA antibody	IHC (Immunohistochemistry), WB (Western Blot)
Homology	Cow: 86%; Dog: 86%; Horse: 83%; Human: 100%; Mouse: 77%; Pig: 86%; Rabbit: 86%; Rat: 86%; Zebrafish: 75%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human PCCA
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

 WB Suggested Anti-PCCA Antibody Titration: 0.2-1 ug/mL
 ELISA Titer: 1:312500
 Positive Control: Transfected 293T


IHC (Immunohistochemistry)

 Rabbit Anti-PCCA Antibody
 Formalin Fixed Paraffin Embedded Tissue: Human heart
 Tissue Observed Staining: Cytoplasmic
 Primary Antibody Concentration: N/A
 Other Working Concentrations: 1:600
 Secondary Antibody: Donkey anti-Rabbit-Cy3
 Secondary Antibody Concentration: 1:200
 Magnification: 20X
 Exposure Time: 0.5 - 2.0 sec

ADDITIONAL INFORMATION

Related Product Information for anti-PCCA antibody	This is a rabbit polyclonal antibody against PCCA. It was validated on Western Blot using a cell lysate as a positive control. Target Description: PCCA is the alpha subunit of the heterodimeric mitochondrial enzyme Propionyl-CoA carboxylase. PCCA is 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. 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. Two transcript variants encoding different isoforms have been found for this gene.
Product Categories/Family for anti-PCCA antibody	Polyclonal; Drugs and Drug Metabolism; Disease Related; DNA/RNA/Protein Interactions

NCBI AND UNIPROT INFORMATION

NCBI GI #	65506442
NCBI GeneID	5095
NCBI Accession #	NP_000273
NCBI GenBank Nucleotide #	NM_000282
UniProt Accession #	Q8WXQ7; P05165
Molecular Weight	75kDa
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 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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/pcca-antibody-immunohistochemistry-western-blot-elisa/197517>