

Rabbit PCCB Polyclonal Antibody | anti-PCCB antibody

PCCB Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327033	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

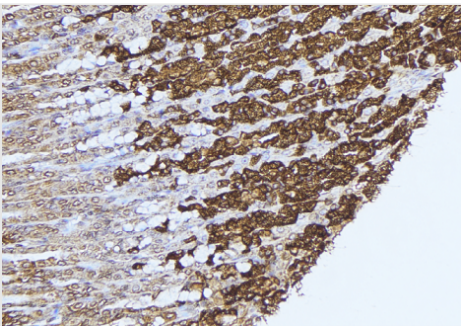
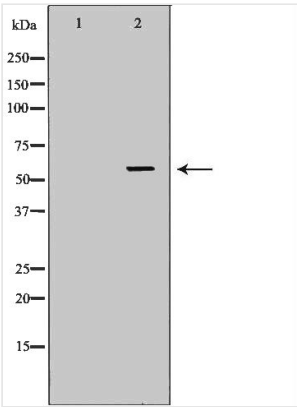
PRODUCT SYNONYMS

PCCB; Polyclonal Antibody; PCCB Antibody; DKFZp451E113; PCCase subunit beta; pccB; PCCB_HUMAN; pccBC Complementation group; Propanoyl CoA:carbon dioxide ligase subunit beta; Propanoyl-CoA:carbon dioxide ligase subunit beta; Propionyl CoA carboxylase beta chain; mitochondrial; propionyl Coenzyme A carboxylase; beta polypeptide; Propionyl-CoA carboxylase; beta subunit; Propionyl-CoA carboxylase beta chain; R74805; anti-PCCB antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	PCCB antibody detects endogenous levels of total PCCB
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	539
Applicable Applications for anti-PCCB antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human PCCB
Subcellular Location	Mitochondrion Matrix.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Zebrafish (100%), Bovine (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA327033 at 1/100 staining Human gastric 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.

WB (Western Blot)
Western blot analysis of Mouse liver tissue lysates, using PCCB Antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-PCCB antibody	Description: The protein encoded by this gene is a subunit of the propionyl-CoA carboxylase (PCC) enzyme, which is involved in the catabolism of propionyl-CoA. PCC is a mitochondrial enzyme that probably acts as a dodecamer of six alpha subunits and six beta subunits. This gene encodes the beta subunit of PCC. Defects in this gene are a cause of propionic acidemia type II (PA-2). Multiple transcript variants encoding different isoforms have been found for this gene. Function: $ATP + \text{propanoyl-CoA} + HCO_3^- = ADP + \text{phosphate} + (S)\text{-methylmalonyl-CoA}$. Subunit Structure: Probably a dodecamer composed of six biotin-containing alpha subunits and six beta subunits. Similarity: Belongs to the AccD/PCCB family.
---	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	119943100
NCBI GeneID	5096
NCBI Accession #	NP_000523.2
NCBI GenBank Nucleotide #	NM_000532.4
UniProt Accession #	P05166; Q16813; Q96CX0; B7Z2Z4
Molecular Weight	Observed: 58 kDa Predicted: 59 kDa
NCBI Official Full Name	propionyl-CoA carboxylase beta chain, mitochondrial isoform 1
NCBI Official Synonym Full Names	propionyl-CoA carboxylase subunit beta
NCBI Official Symbol	PCCB
NCBI Protein Information	propionyl-CoA carboxylase beta chain, mitochondrial
UniProt Protein Name	Propionyl-CoA carboxylase beta chain, mitochondrial
UniProt Gene Name	PCCB
UniProt Synonym Gene Names	PCCase subunit beta

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.