

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

PCCB Antibody, Rabbit PAb, Antigen Affinity Purified

CATALOG # AAA258278	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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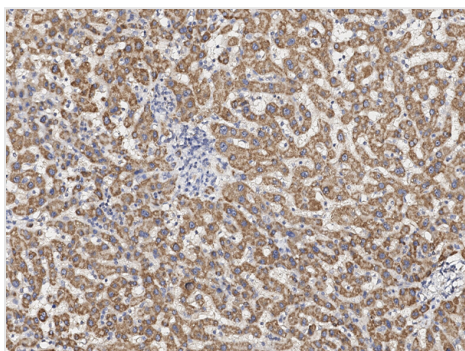
PRODUCT SYNONYMS

PCCB; Polyclonal Antibody; PCCB Antibody; Rabbit PAb; Antigen Affinity Purified; Anti-PCCB Antibody; Rabbit Polyclonal; propionyl-CoA carboxylase beta subunit; anti-PCCB antibody

PRODUCT SPECIFICATIONS

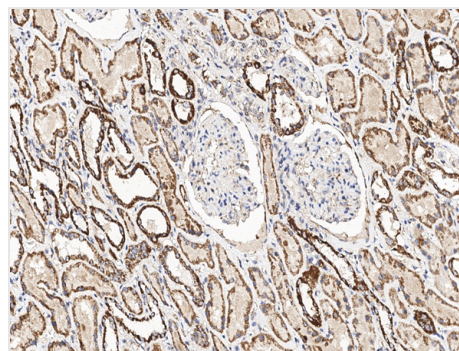
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human PCCB
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid. PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-PCCB antibody	IHC (Immunohistochemistry)
Immunogen	E Coli-derived Human PCCB fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human PCCB fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2 degree C-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunochemical staining of human PCCB in human liver with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining of human PCCB in human kidney with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-PCCB antibody	Background: The propionyl-CoA carboxylase beta subunit (PCCB) gene locus in 10.6 kb fragment of S. toxytricini chromosomal DNA contains three genes for acyl-coenzyme A carboxylase (ACCase) complex accA3, pccB, and pccE that are presumed to be involved in secondary metabolism. The pccB gene encoding a beta subunit of ACCase [carboxyltransferase (CT)] was identified upstream of the pccE gene for a small protein of epsilon subunit. The accA3, encoding the alpha subunit of ACCase [biotin carboxylase (BC)] was also identified downstream of the pccB gene. When the pccB and pccE genes were inactivated by homologous recombination, the lipstatin production was reduced by as much as 80%. In contrast, the accumulation of another compound, tetradeca-5.8-dienoic acid (the major lipstatin precursor), was 4.5-fold increased in disruptant compared with wild-type. It implies that PccB of S. toxytricini is involved in the activation of octanoic acid to hexylmalonic acid for lipstatin biosynthesis.
References	Gupta D, et al. (2016) Seventeen novel mutations in pcca and pccb genes in indian propionic acidemia patients, and their outcomes. Genet Test Mol Biomarkers 20 (7): 373-382. Demirev AV, et al. (2010) The role of acyl-coenzyme a carboxylase complex in lipstatin biosynthesis of streptomyces toxytricini. Appl Microbiol Biotechnol 87 (3): 1129-1139.

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/pccb-antibody-immunohistochemistry-elisa/258278>