







## PCCA Rabbit pAb

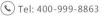
Catalog No	YP-Ab-19107
Isotype	IgG
Reactivity	Human,Mouse,Rat
Applications	WB
Gene Name	PCCA
Protein Name	Propionyl-CoA carboxylase alpha chain, mitochondrial (PCCase subunit alpha) (Propanoyl-CoA:carbon dioxide ligase subunit alpha)
Immunogen	Synthesized peptide derived from human PCCA
Specificity	This antibody detects endogenous levels of PCCA at Human, Mouse,Rat
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	
Calculated Molecular Weight	80kD
Cell Pathway	Mitochondrion matrix .
Tissue Specificity	
Function	This is one of the 2 subunits of the biotin-dependent propionyl-CoA carboxylase (PCC), a mitochondrial enzyme involved in the catabolism of odd chain fatty acids, branched-chain amino acids isoleucine, threonine, methionine, and valine and other metabolites . Propionyl-CoA carboxylase catalyzes the carboxylation of propionyl-CoA/propanoyl-CoA to D-methylmalonyl-CoA/(S)-methylmalonyl-CoA . Within the holoenzyme, the alpha subunit catalyzes the ATP-dependent carboxylation of the biotin carried by the biotin carboxyl carrier (BCC) domain, while the beta subunit then transfers the carboxyl group from carboxylated biotin to propionyl-CoA (By similarity). Propionyl-CoA carboxylase also significantly acts on butyryl-CoA/butanoyl-CoA, which is converted to

on butyryl-CoA/butanoyl-CoA, which is converted to ethylmalonyl-CoA/(2S)-ethylmalonyl-CoA at a much lower rate . Other alternative

minor substrates include (2E)-butenoyl-CoA/crotonoyl-CoA (By similarity).



## UpingBio technology Co.,Ltd







## **Background**

matters	needing		
attention			

Avoid repeated freezing and thawing!

**Usage suggestions** 

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## **Products Images**

