

PCCB Rabbit pAb

CatalogNo: YN7379

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB

MW

- 59kD (Calculated)

Isotype

- IgG

Recommended Dilution Ratios

WB 1:500-2000

Storage

Storage* -15°C to -25°C/1 year(Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized peptide derived from human PCCB

Specificity This antibody detects endogenous levels of PCCB at Human, Mouse, Rat

Target Information

Gene name PCCB

Protein Name	Propionyl-CoA carboxylase beta chain, mitochondrial (PCCase subunit beta) (Propanoyl-CoA:carbon dioxide ligase subunit beta)		
	Organism	Gene ID	UniProt ID
	Human	5096 ;	P05166 ;
	Mouse	66904 ;	Q99MN9 ;
	Rat		P07633 ;
Cellular Localization	Mitochondrion matrix .		
Function	<p>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 ethylmalonyl-CoA/(2S)-ethylmalonyl-CoA at a much lower rate . Other alternative minor substrates include (2E)-butenoyl-CoA/crotonoyl-CoA (By similarity).</p>		

| Validation Data

| Contact information

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Please scan the QR code to access additional product information:

PCCB Rabbit pAb

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