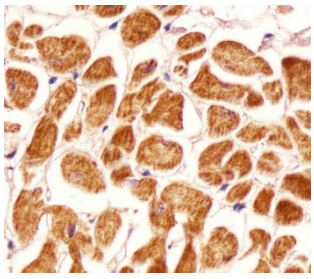
PCCA Antibody / Propionyl-CoA carboxylase alpha (F54236)

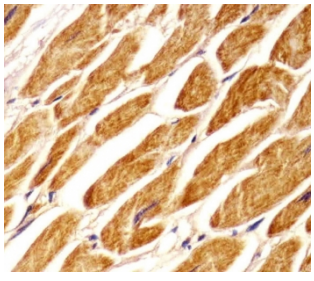
Catalog No.	Formulation	Size
F54236-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54236-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

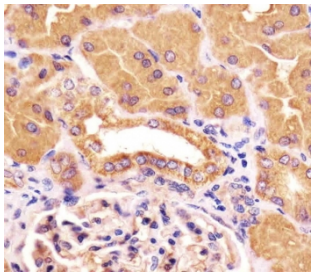
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity purified
UniProt	P05165
Gene ID	5095
Applications	Western blot: 1:1000-1:2000 Immunohistochemistry (FFPE): 1:25
Limitations	This PCCA antibody is available for research use only.



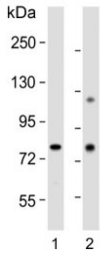
IHC testing of FFPE human heart tissue with PCCA antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



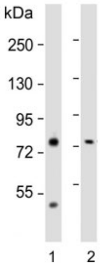
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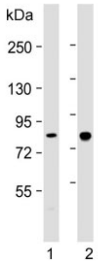
IHC testing of FFPE human kidney tissue with PCCA antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Western blot testing of 1) rat cerebellum and 2) human liver lysate with PCCA antibody. Predicted molecular weight ~80 kDa.



Western blot testing of 1) human liver and 2) mouse NIH3T3 lysate with PCCA antibody. Predicted molecular weight ~80 kDa.



Western blot testing of 1) human HeLa and 2) rat cerebellum lysate with PCCA antibody. Predicted molecular weight ~80 kDa.



Western blot testing of human A549 cell lysate with PCCA antibody. Predicted molecular weight ~80 kDa.

Description

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. Multiple transcript variants encoding different isoforms have been found for this gene.

Application Notes

The stated application concentrations are suggested starting points. Titration of the PCCA antibody may be required due

to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 362-390 from the human protein were used as the immunogen for the PCCA antibody.

Storage

Aliquot the PCCA antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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