

Datasheet for ABIN2777736  
**anti-PCCA antibody (N-Term)**[Go to Product page](#)

2 Images

1 Publication

## Overview

Quantity:	100 µL
Target:	PCCA
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Zebrafish (Danio rerio), Cow, Horse, Dog, Pig, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PCCA antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

## Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human PCCA
Sequence:	LYYSRQCLMV SRNLGSGVDYD PNEKTFDKIL VANRGEIACR VIRTCKKMG
Predicted Reactivity:	Cow: 86%, Dog: 86%, Horse: 83%, Human: 100%, Mouse: 77%, Pig: 86%, Rabbit: 86%, Rat: 86%, Zebrafish: 75%
Characteristics:	This is a rabbit polyclonal antibody against PCCA. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

## Target Details

Target:	PCCA
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## Target Details

Alternative Name:	PCCA ( <a href="#">PCCA Products</a> )
Background:	<p>PCCA is the alpha subunit of the heterodimeric mitochondrial enzyme Propionyl-CoA carboxylase. PCCA is 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. 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. Two transcript variants encoding different isoforms have been found for this gene.</p> <p>Alias Symbols: -</p> <p>Protein Interaction Partner: HUWE1, PARK2, IFIT1, UBE2N, UBC, EBNA-LP, PCCB,</p> <p>Protein Size: 728</p>
Molecular Weight:	75 kDa
Gene ID:	5095
NCBI Accession:	<a href="#">NM_000282</a> , <a href="#">NP_000273</a>
UniProt:	<a href="#">Q8WXQ7</a>
Pathways:	<a href="#">Monocarboxylic Acid Catabolic Process</a>

## Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 728 AA
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

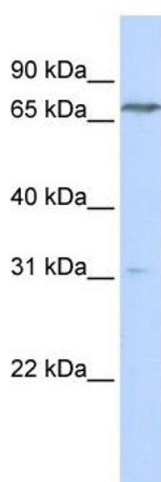
## Handling

Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

## Publications

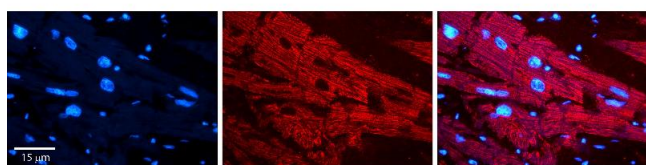
Product cited in: Rincón, Aguado, Desviat, Sánchez-Alcudia, Ugarte, Pérez: "Propionic and methylmalonic acidemia: antisense therapeutics for intronic variations causing aberrantly spliced messenger RNA." in: **American journal of human genetics**, Vol. 81, Issue 6, pp. 1262-70, (2011) ([PubMed](#)).

## Images



### Western Blotting

**Image 1.** WB Suggested Anti-PCCA Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: Transfected 293T



### Immunohistochemistry

**Image 2.** Rabbit Anti-PCCA Antibody Formalin Fixed Paraffin Embedded Tissue: Human heart Tissue Observed Staining: Cytoplasmic Primary Antibody Concentration: N/A Other Working Concentrations: 1:600 Secondary Antibody: Donkey anti-Rabbit-Cy3 Secondary Antibody Concentration: 1:200 Magnification: 20X Exposure Time: 0.5 - 2.0 sec