

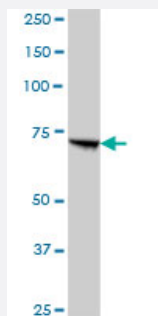
MaxPab®

PCCA purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00005095-B01P

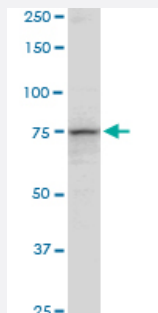
Size 50 ug

Applications



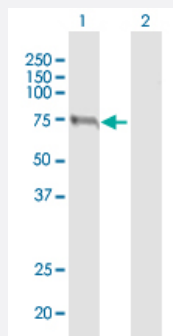
Western Blot (Tissue lysate)

PCCA MaxPab polyclonal antibody. Western Blot analysis of PCCA expression in human liver.



Western Blot (Cell lysate)

PCCA MaxPab polyclonal antibody. Western Blot analysis of PCCA expression in U-2 OS.



Western Blot (Transfected lysate)

Western Blot analysis of PCCA expression in transfected 293T cell line ([H00005095-T01](#)) by PCCA MaxPab polyclonal antibody.

Lane 1: PCCA transfected lysate(77.33 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human PCCA protein.

Immunogen	PCCA (AAH00140.1, 1 a.a. ~ 703 a.a) full-length human protein.
Sequence	MLSAALRTLKHVLYYSRQCLMVSRNLGSVGYDPNEKTFDKILVANRGEIACRVIRTCKKMGIKTVAI HSDVDASSVHVKMADEAVCVGPAPTSKSYLNMDAIMEAIKKTRAQAVHPGYGFLSENKEFARCL AAEDVVFIGPDTHAIQAMGDKIESKLLAKKAEVNTIPGFDGVVKDAEEAVRIAREIGYPVMIKASAG GGGKGMRIAWDDEETRDGFRLLSSQEAASSFGDDRLLIEKFIDNPRHIEIQLGDKHGNALWLNER ECIQRRNQKVVEEAPSIFLDAETRRAMGEQAVALARAVKYSSAGTVEFLVDSKKNFYFLEMNTR LQVEHPVTECITGLDLVQEMIRVAKGYPLRHKQADIRINGWAVECRVYAEDPYKSFGLPISIGRLSQY QEPLHLPGVRVDSGIQPGSDISYYDPMISKLITYGSDRTEALKRMADALDNYVIRGVTHNIALREVII NSRFVKGDISTKFLSDVYPDGFKGHMLTKSEKNQLLAASSLFVAFQLRAQHFQENSRMPVIKPD ANWELSVKLHDKVHTVVASNNGSVFSVEVDGSKLNVSTWNLASPLLSVSDGTQRTVQCLSR EAGGNMSIQFLGTVYKVNILTRLAAELNKFMLEKVTEDTSSVLRSPMPGVVAVSVKPGDAVAEG QEICVIEAMKMQNSMTAGKTGTVKSVCQAGDTVGEGLLVELE
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (91); Rat (90)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

PCCA MaxPab polyclonal antibody. Western Blot analysis of PCCA expression in human liver.

[Protocol Download](#)

- Western Blot (Cell lysate)

PCCA MaxPab polyclonal antibody. Western Blot analysis of PCCA expression in U-2 OS.

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of PCCA expression in transfected 293T cell line ([H00005095-T01](#)) by PCCA MaxPab polyclonal antibody.

Lane 1: PCCA transfected lysate(77.33 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

Gene Info — PCCA

Entrez GeneID [5095](#)

GeneBank Accession# [BC000140.2](#)

Protein Accession# [AAH00140.1](#)

Gene Name PCCA

Gene Alias -

Gene Description propionyl Coenzyme A carboxylase, alpha polypeptide

Omim ID [232000 606054](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. [provided by RefSeq]

Other Designations OTTHUMP00000018635|PCCase alpha subunit|pccA complementation group|propanoyl-CoA:carbon dioxide ligase alpha subunit|propionyl-CoA carboxylase alpha chain, mitochondrial|propionyl-Coenzyme A carboxylase, alpha polypeptide

Publication Reference

- [Ataxin-2 \(Atxn2\)-Knock-Out Mice Show Branched Chain Amino Acids and Fatty Acids Pathway Alterations.](#)

Meierhofer D, Halbach M, Şen NE, Gispert S, Auburger G.

Molecular & Cellular proteomics: MCP 2016 Feb; 15(5):1728.

Application: WB-Ti, Mouse, Mouse liver

- [Folding and activity of mutant cystathionine \$\beta\$ -synthase depends on the position and nature of the purification tag: characterization of the R266K CBS mutant.](#)

Majtan T, Kraus JP.

Protein Expression and Purification 2012 Apr; 82(2):317.

Application: WB, Bacteria, Bacterial cells

- [Adeno-associated virus serotype 8 \(AAV8\) Gene Transfer Rescues a Neonatal Lethal Murine Model of Propionic Acidemia.](#)

Chandler RJ, Chandrasekaran S, Carrillo-Carrasco N, Senac JS, Hofherr S, Barry MA, Venditti CP.

Human Gene Therapy 2011 Apr; 22(4):477.

Application: WB, Mouse, Liver

Pathway

- [Metabolic pathways](#)
- [Propanoate metabolism](#)
- [Valine](#)

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Tobacco Use Disorder](#)