

PCCA mouse monoclonal antibody (hybridoma)

Catalog # H00005095-M

Size Up to 5 Clones

Specification

Product Description	Mouse monoclonal antibody raised against a full-length recombinant PCCA.
Immunogen	PCCA (AAH00140.1, 1 a.a. ~ 703 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MLSAALRTLKHVLYYSRQCLMVSRLGSGYDPNEKTFDKILVANRGEIACRVIRTCKKMGIKTVAI HSDVDASSVHVKMADEAVCVGPAPTSKSYLNMDAIMEAIKKTRAQAVHPGYGFLSENKEFARCL AAEDVVFIGPDTHAIQAMGDKIESKLLAKKAEVNTIPGFDGVVKDAEEAVRIAREIGYPVMIKASAG GGGKGMRIAWDDEETRDGFRLLSSQEAASSFGDDRLLIEKFIDNPRHIEQVLGDKHGNALWLNER ECIQRRNQKVVEEAPSIFLDAETRRAMGEQAVALARAVKYSSAGTVEFLVDSKKNFYFLEMNTR LQVEHPVTECITGLDLVQEMIRVAKGYPLRHKQADIRINGWAVECRVYAEDPYKSFGLPISIGRLSQY QEPLHLPGVRVDSGIQPGSDISIIYDPMISKLITYGSDRTEALKRMADALDNYVIRGVTHNIALREVII NSRFVKGDISTKFLSDVYPDGFKGHMLTKSEKNQLLAASSLFVAFQLRAQHFQENSRMPVIKPD ANWELSVKLHDKVHTVVASNNGSVFSVEVDGSKLNVSTWNLASPLLSVSDGTQRTVQCLSR EAGGNMSIQFLGTVYKVNILTRLAELNKFMLEKVTEdTSSVLRSPMPGVVAVSVKPGDAVAEG QEICVIEAMKMQNSMTAGKTGTVKSVCQAGDTVGEGLLVELE
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (91); Rat (90)
Quality Control Testing	Antibody reactivity and specificity confirmed by ELISA and Western Blot.
Deliverables	Up to 5 positive hybridoma clones will be delivered to customer in the cryotube format.
Note	Customer should check the viability of the hybridomas within one month from the date of receipt. Fee -for-service of long term hybridoma storage can be performed upon customer's request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

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

Pathway

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- [Valine](#)

Disease

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- [Diabetes Mellitus](#)
- [Edema](#)
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