

Mouse anti-Human PCCA Monoclonal Antibody | anti-PCCA antibody

PCCA Mouse mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA62308	Mouse	Human	Flow Cytometry, Functional Assay, Immunoprecipitation, Western Blot

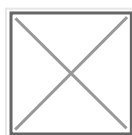
PRODUCT SYNONYMS

PCCA; Monoclonal Antibody; PCCA Mouse mAb; alpha polypeptide; mitochondrial; pccA complementation group; PCCase alpha subunit; PCCase subunit alpha; propanoyl-CoA:carbon dioxide ligase alpha subunit; Propanoyl-CoA:carbon dioxide ligase subunit alpha; propionyl CoA carboxylase; propionyl Coenzyme A carboxylase; propionyl-CoA carboxylase alpha chain; Propionyl-CoA carboxylase alpha chain; anti-PCCA antibody

PRODUCT SPECIFICATIONS

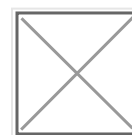
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Sequence Length	728
Applicable Applications for anti-PCCA antibody	FCM/FACS (Flow Cytometry), IP (Immunoprecipitation), WB (Western Blot)
Source Note	This monoclonal antibody is produced by immunizing mice with a sythetic peptide(KLH coupled)corresponding to amino-terminal residues of human PCCA
Preparation and Storage	Store at -20 degree C. Stable for one year from the date of shipment.

IMAGES



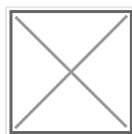
FCM/FACS (Flow Cytometry)

Flow cytometric analysis of 2% paraformaldehyde-fixed Jurkat (Human T cell leukemia cells from peripheral blood) cells labeling PCCA with M25077 at 1/200 dilution (red) compared with a mouse monoclonal IgG isotype control (blue) and an unlabelled control (cells without incubation with primary antibody, green). Goat anti-mouse IgG (FITC) at 1/300 dilution was used as the secondary antibody.



IP (Immunoprecipitation)

PCCA was immunoprecipitated from 1mg of Jurkat cells membrane fraction, blotted with M25077 of 10 ug. Western blot was performed from the immunopre-cipitate using M25077 at 1/1000 dilution. Anti-Mouse-IgG(HRP), specific to the non-reduced form of IgG, was used as secondary antibody at 1/10000 dilution. Lane 1: Jurkat cells membrane fraction. Lane2: IP product of Jurkat cells membrane fraction.Predicted band size : 80 KDaObserved band size : 80 KDaBlocking and dilution buffer and concentration:5% milk/TBST.



WB (Western Blot)

ADDITIONAL INFORMATION

Related Product Information for anti-PCCA antibody

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.

Product Categories/Family for anti-PCCA antibody	Cell Marker; Subcellular Marker; Membrane
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NCBI AND UNIPROT INFORMATION

NCBI GI #	65506442
NCBI GeneID	5095
NCBI Accession #	NP_000273.2
NCBI GenBank Nucleotide #	NM_000282.3
UniProt Accession #	P05165; Q15979; Q8WXQ7; B4DKY8; B4DPF9; C9JPQ8
Molecular Weight	Predicted MW: 80kDa
NCBI Official Full Name	propionyl-CoA carboxylase alpha chain, mitochondrial isoform a
NCBI Official Synonym Full Names	propionyl-CoA carboxylase subunit alpha
NCBI Official Symbol	PCCA
NCBI Protein Information	propionyl-CoA carboxylase alpha chain, mitochondrial
UniProt Protein Name	Propionyl-CoA carboxylase alpha chain, mitochondrial
UniProt Gene Name	PCCA
UniProt Synonym Gene Names	PCCase subunit alpha

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/pcca-antibody-flow-cytometry-immunoprecipitation-western-blot-elisa/62308>