

Product datasheet for **AP53192PU-N**

PCCA (Center) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	ELISA: 1/1000. Western Blot: 1/100 - 1/500. Immunohistochemistry on paraffin sections: 1/10 - 1/50.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 336-365 amino acids from the Central region of human PCCA
Specificity:	This antibody reacts to PCCA.
Formulation:	PBS State: Aff - Purified State: Liquid purified Ig fraction Preservative: 0.09% (W/V) sodium azide
Concentration:	lot specific
Purification:	Affinity chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	80059 Da
Gene Name:	Homo sapiens propionyl-CoA carboxylase alpha subunit (PCCA), transcript variant 1
Database Link:	Entrez Gene 5095 Human P05165



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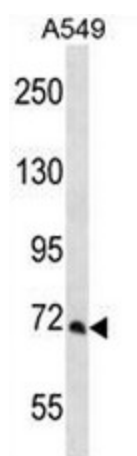
Background: The protein encoded by this gene is the alpha subunit of the heterodimeric mitochondrial enzyme Propionyl-CoA carboxylase. PCCA encodes the biotin-binding region of this enzyme. Mutations in either PCCA or PCCB (encoding the beta subunit) lead to an enzyme deficiency resulting in propionic acidemia. Multiple transcript variants encoding different isoforms have been found for this gene.

Synonyms: PCCase subunit alpha

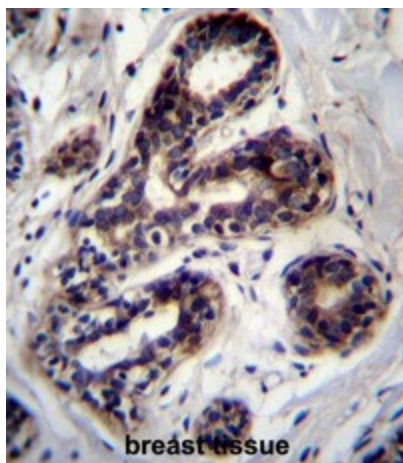
Protein Families: Druggable Genome

Protein Pathways: Metabolic pathways, Propanoate metabolism, Valine, leucine and isoleucine degradation

Product images:



PCCA Antibody (Center) western blot analysis in A549 cell line lysates (35ug/lane). This demonstrates the PCCA antibody detected the PCCA protein (arrow).



PCCA Antibody (Center) immunohistochemistry analysis in formalin fixed and paraffin embedded human breast tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of PCCA Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.