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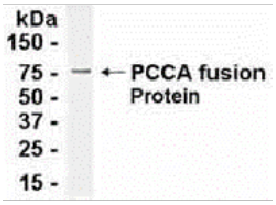
PCCA Antibody

CATALOG NUMBER: XW-7764



E coli-derived fusion protein as test antigen. Affinity-purified IgY dilution: 1:2000, Goat anti-IgY-HRP dilution: 1:1000. Colorimetric method for signal development.

Specifications

SPECIES REACTIVITY:	Human
TESTED APPLICATIONS:	WB
APPLICATIONS:	Propionyl-CoA carboxylase α chain, mitochondrial antibody can be used for the detection of Propionyl-CoA carboxylase α chain, mitochondrial by Western Blot.
USER NOTE:	Optimal dilutions for each application to be determined by the researcher.
PREDICTED MOLECULAR WEIGHT:	77.4 kDa (calculated)
IMMUNOGEN:	450-703
HOST SPECIES:	Chicken

Properties

PURIFICATION:	Immunoaffinity Purified
PHYSICAL STATE:	Liquid
BUFFER:	Phosphate-Buffered Saline. No preservatives added.
CONCENTRATION:	1 mg/mL
STORAGE CONDITIONS:	PCCA antibody can be stored at 4˚C for short term (weeks). Long term storage should be at -20˚C. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
CLONALITY:	Polyclonal
CONJUGATE:	Unconjugated

Additional Info

ALTERNATE NAMES:	Propionyl-CoA carboxylase alpha chain, mitochondrialPCCase subunit alpha, PropionylCoA carboxylase alpha

	chain, mitochondrial, PCCase alpha subunit, Propanoyl-CoA:carbon dioxide ligase alpha subunit
ACCESSION NO.:	NP_000273.1
PROTEIN GI NO.:	4557833
OFFICIAL SYMBOL:	PCCA
GENE ID:	5095

Background

BACKGROUND:

DISEASE: Defects in PCCA are the cause of propionic acidemia type I (PA-1) [MIM:606054]. PA-1 is a life-threatening disease characterized by episodic vomiting, lethargy and ketosis, neutropenia, periodic thrombocytopenia, hypogγlobulinemia, developmental retardation, and intolerance to protein.

CATALYTIC ACTIVITY: ATP + propanoyl-CoA + HCO_3^- = ADP + phosphate + (S)-methylmalonyl-CoA.

SUBUNIT: Probably a dodecamer composed of six biotin-containing α subunits and six β subunits.

FOR RESEARCH USE ONLY

October 22, 2017