

PPCDC Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13975a

Specification

PPCDC Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	O96CD2
Other Accession	NP_068595.3
Reactivity	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	22395
Antigen Region	37-66

PPCDC Antibody (N-term) - Additional Information

Gene ID 60490

Other Names

Phosphopantothencyl cysteine decarboxylase, PPC-DC, CoaC, PPCDC, COAC

Target/Specificity

This PPCDC antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 37-66 amino acids from the N-terminal region of human PPCDC.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

PPCDC Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

PPCDC Antibody (N-term) - Protein Information

Name PPCDC

Synonyms COAC

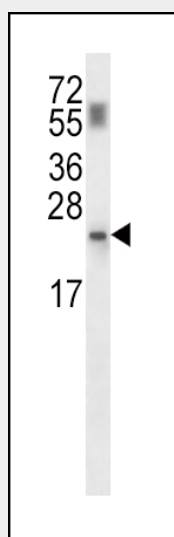
Function Catalyzes the decarboxylation of the cysteine moiety of 4-phosphopantothenoylcysteine to form 4'-phosphopantotheine and this reaction forms part of the biosynthesis of coenzyme A.

PPCDC Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

PPCDC Antibody (N-term) - Images



PPCDC Antibody (N-term) (Cat. #AP13975a) western blot analysis in mouse kidney tissue lysates (35ug/lane). This demonstrates the PPCDC antibody detected the PPCDC protein (arrow).

PPCDC Antibody (N-term) - Background

Biosynthesis of coenzyme A (CoA) from pantothenic acid (vitamin B5) is an essential universal pathway in prokaryotes and eukaryotes. PPCDC (EC 4.1.1.36), one of the last enzymes in this pathway, converts phosphopantothenoylcysteine to 4'-phosphopantotheine (Daugherty et al., 2002 [PubMed 11923312]).

PPCDC Antibody (N-term) - References

Strauss, E., et al. Biochemistry 43(49):15520-15533(2004)
Manoj, N., et al. Acta Crystallogr. D Biol. Crystallogr. 59 (PT 10), 1762-1766 (2003) :
Daugherty, M., et al. J. Biol. Chem. 277(24):21431-21439(2002)