

## Product datasheet for **TA339355**

### PPCDC Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-PPCDC antibody: synthetic peptide directed towards the N terminal of human PPCDC. Synthetic peptide located within the following region: VTTERAKHFYSPQDIPVTLYSDADEWEIWKSRSDPVLHIDLRRWADLLL
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Concentration:	lot specific
Purification:	Protein A purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	22 kDa
Gene Name:	phosphopantothenoylcysteine decarboxylase
Database Link:	<a href="#">NP_068595</a> <a href="#">Entrez Gene 60490 Human</a> <a href="#">Q96CD2</a>



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**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-prime-phosphopantetheine (Daugherty et al., 2002 [PubMed 11923312]). [supplied by OMIM, Mar 2008]. Transcript Variant: This variant (4) lacks two alternate in-frame exons in the central coding region, compared to variant 1, resulting in an isoform (d) that is shorter than isoform a. ##Evidence-Data-START## Transcript exon combination :: BI833814.1 [ECO:0000332] ##Evidence-Data-END## COMPLETENESS: complete on the 3' end.

**Synonyms:**

coaC; MDS018; PPC-DC

**Note:**

Immunogen Sequence Homology: Dog: 100%; Rat: 100%; Human: 100%; Pig: 93%; Mouse: 93%; Rabbit: 93%; Guinea pig: 93%; Horse: 86%; Bovine: 86%

**Protein Pathways:**

Metabolic pathways, Pantothenate and CoA biosynthesis

**Product images:**

WB Suggested Anti-PPCDC Antibody Titration: 2.5 ug/ml; Positive Control: HepG2 cell lysate