

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:

VTTERAKHFYSPQDIPVTLYSDADEWEIWKSRSDPVLHIDLRRWADLLLV

Formulation: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2%

sucrose.

Note that this product is shipped as lyophilized powder to China customers.

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: NP 068595

Entrez Gene 60490 Human

Q96CD2



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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.

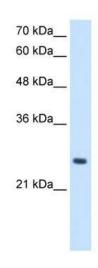
Synonyms: coaC; MDS018; PPC-DC

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