

Product datasheet for **TA339313**

DPS1 (PDSS1) 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-PDSS1 antibody: synthetic peptide directed towards the middle region of human PDSS1. Synthetic peptide located within the following region: GEFLQLGSKENENERFAHYLEKTFKKTASLIANSCKAVSVLGCPDPVVHE
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:	46 kDa
Gene Name:	prenyl (decaprenyl) diphosphate synthase, subunit 1
Database Link:	NP_055132 Entrez Gene 23590 Human Q5T2R2



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Background:

The protein encoded by this gene is an enzyme that elongates the prenyl side-chain of coenzyme Q, or ubiquinone, one of the key elements in the respiratory chain. The gene product catalyzes the formation of all trans-polyprenyl pyrophosphates from isopentyl diphosphate in the assembly of polyisoprenoid side chains, the first step in coenzyme Q biosynthesis. The protein may be peripherally associated with the inner mitochondrial membrane, though no transit peptide has been definitively identified to date. Defects in this gene are a cause of coenzyme Q10 deficiency. [provided by RefSeq, Jul 2008]

Synonyms:

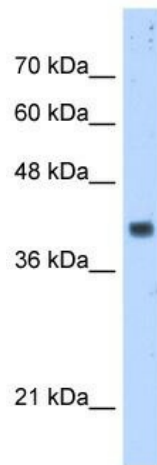
COQ1; COQ10D2; DPS; hDPS1; SPS; TPRT; TPT; TPT 1

Note:

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

Protein Pathways:

Terpenoid backbone biosynthesis

Product images:

WB Suggested Anti-PDSS1 Antibody Titration: 5.0 ug/ml; Positive Control: HepG2 cell lysate. PDSS1 is supported by BioGPS gene expression data to be expressed in HepG2