

PDSS1 antibody - middle region

Rabbit Polyclonal Antibody Catalog # AI12662

Product Information

Application WB Primary Accession Q5T2R2

Other Accession <u>NM_014317</u>, <u>NP_055132</u>

ReactivityHuman, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine **Predicted**Human, Mouse, Rabbit, Zebrafish, Pig, Chicken, Dog, Guinea Pig, Horse,

Bovine

Host Rabbit
Clonality Polyclonal
Calculated MW 46261

Additional Information

Gene ID 23590

Alias Symbol COQ1, MGC70953, RP13-16H11.3, TPRT, TPT, hDPS1, DPS, SPS, TPT 1

Other Names Decaprenyl-diphosphate synthase subunit 1, 2.5.1.91,

All-trans-decaprenyl-diphosphate synthase subunit 1, Decaprenyl

pyrophosphate synthase subunit 1, Trans-prenyltransferase 1, TPT 1, PDSS1,

DPS1, TPRT

Format Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium

azide and 2% sucrose.

Reconstitution & Storage Add 100 ul of distilled water. Final anti-PDSS1 antibody concentration is 1

mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at

20°C. Avoid repeat freeze-thaw cycles.

Precautions PDSS1 antibody - middle region is for research use only and not for use in

diagnostic or therapeutic procedures.

Protein Information

Name PDSS1 (HGNC:17759)

Function Heterotetrameric enzyme that catalyzes the condensation of farnesyl

diphosphate (FPP), which acts as a primer, and isopentenyl diphosphate (IPP) to produce prenyl diphosphates of varying chain lengths and participates in the determination of the side chain of ubiquinone (PubMed:16262699). Supplies nona and decaprenyl diphosphate, the precursors for the side chain of the isoprenoid quinones ubiquinone-9 (Q9)and ubiquinone-10 (Q10) respectively (PubMed:16262699). The enzyme adds isopentenyl diphosphate

molecules sequentially to farnesyl diphosphate with trans stereochemistry (PubMed: 16262699).

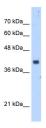
Cellular Location

Mitochondrion.

References

Mollet, J., (2007) J. Clin. Invest. 117 (3), 765-772 Reconstitution and Storage: For short term use, store at 2-8 Cup to 1 week. For long terms to rage, store at 2-20 Cinsmall aliquots to prevent freeze-thank cycles.

Images



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.