

PDSS1 antibody - middle region

Rabbit Polyclonal Antibody

Catalog # AI12662

Product Information

Application	WB
Primary Accession	Q5T2R2
Other Accession	NM_014317 , NP_055132
Reactivity	Human, 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 Other Names	COQ1, MGC70953, RP13-16H11.3, TPRT, TPT, hDPS1, DPS, SPS, TPT 1 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](#)).

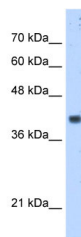
Cellular Location

Mitochondrion.

References

Mollet,J.,(2007)J.Clin.Invest.117(3),765-772ReconstitutionandStorage:Forshorttermuse,storeat2-8Cupto1week .Forlongtermstorage,storeat-20Cinsmallaliquotstopreventfreeze-thawcycles.

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'.