

PDSS1 antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI12662**Specification**

PDSS1 antibody - middle region - Product Information

Application	WB
Primary Accession	Q5T2R2
Other Accession	NM_014317 , NP_055132
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Horse, Bovine, Guinea Pig, Dog
Predicted	Human, Mouse, Rabbit, Zebrafish, Pig, Chicken, Horse, Bovine, Guinea Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	46kDa kDa

PDSS1 antibody - middle region - 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.

PDSS1 antibody - middle region - 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: <http://www.uniprot.org/citations/16262699>). The enzyme adds isopentenyl diphosphate molecules sequentially to farnesyl diphosphate with trans stereochemistry (PubMed: <http://www.uniprot.org/citations/16262699>).

Cellular Location

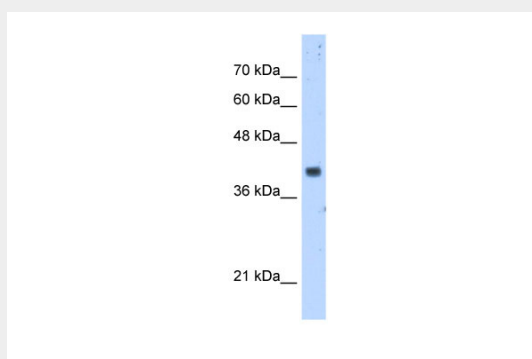
Mitochondrion.

PDSS1 antibody - middle region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

PDSS1 antibody - middle region - Images



WB Suggested Anti-PDSS1 Antibody Titration: 5.0 µg/ml

Positive Control: HepG2 cell lysate

PDSS1 is supported by BioGPS gene expression data to be expressed in HepG2

PDSS1 antibody - middle region - References

Mollet, J., (2007) J. Clin. Invest. 117(3), 765-772 Reconstitution and Storage: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.