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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:16262699). The enzyme adds isopentenyl diphosphate molecules sequentially to farnesyl diphosphate with trans stereochemistry (PubMed:16262699).

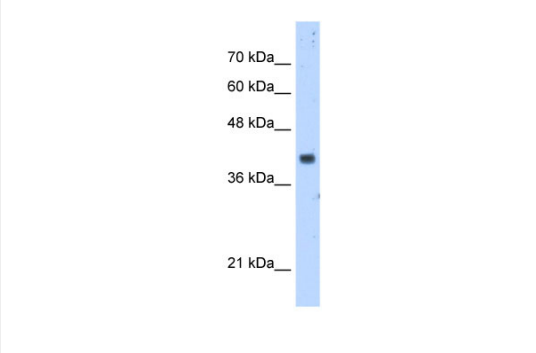
Cellular Location
Mitochondrion.

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 Cytomety
- Cell Culture

PDSS1 antibody - middle region - 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

PDSS1 antibody - middle region - References

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