

DPS1 Rabbit pAb

Catalog # AP53614

Product Information

Primary Accession	Q5T2R2
Host	Rabbit
Clonality	Polyclonal Antibody
Calculated MW	46261

Additional Information

Gene ID	23590
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
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Protein Information

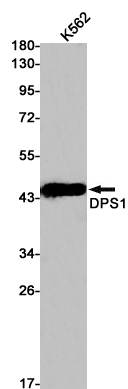
Name	PDSS1 (HGNC:17759)
Function	Heterotetrameric enzyme that catalyzes the condensation of farnesyl diphosphate (FPP), which acts as a primer, and isopentenyl diphosphate (IPP) to produce prenyl diphosphates of varying chain lengths and participates in the determination of the side chain of ubiquinone (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.

Background

Swiss-Prot Acc.Q5T2R2.Decaprenyl-diphosphate synthase subunit 1

Images

Western blot detection of DPS1 in K562 cell lysates using



DPS1 Rabbit pAb(1:1000 diluted).Predicted band size:46kDa.Observed band size:46kDa.

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