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anti-PDSS1 antibody





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Quantity:	100 μL
Target:	PDSS1
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PDSS1 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB)
Product Details	
Immunogen:	Antibody produced in rabbits immunized with a synthetic peptide corresponding a region of
	human PDSS1.
Purification:	Antibody is purified by peptide affinity chromatography method.
Target Details	
Target:	PDSS1
Alternative Name:	PDSS1 (PDSS1 Products)
Background:	PDSS1 is an enzyme that elongates the prenyl side-chain of coenzyme Q, or ubiquinone, one of
	the key elements in the respiratory chain. PDSS1 catalyzes the formation of all trans-polyprenyl
	pyrophosphates from isopentyl diphosphate in the assembly of polyisoprenoid side chains, the
	first step in coenzyme Q biosynthesis. The protein may be peripherally associated with the inne
	mitochondrial membrane, though no transit peptide has been definitively identified to date.

Defects in PDSS1 gene are a cause of coenzyme Q10 deficiency. The protein encoded by this
gene is an enzyme that elongates the prenyl side-chain of coenzyme Q, or ubiquinone, one of
the key elements in the respiratory chain. The gene product catalyzes the formation of all trans-
polyprenyl pyrophosphates from isopentyl diphosphate in the assembly of polyisoprenoid side
chains, the first step in coenzyme Q biosynthesis. The protein may be peripherally associated
with the inner mitochondrial membrane, though no transit peptide has been definitively
identified to date. Defects in this gene are a cause of coenzyme Q10 deficiency.

Molecular Weight:	46 kDa
Gene ID:	23590
NCBI Accession:	NP_055132

UniProt: Q5T2R2

Application Details

Application Notes: PDSS1 antibody can be used for detection of PDSS1 by ELISA at 1:12500. PDSS1 antibody can

be used for detection of PDSS1 by western blot at 1 $\mu g/mL$, and HRP conjugated secondary

antibody should be diluted 1:50,000 - 100,000.

Restrictions: For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 50 ?L of distilled water. Final antibody concentration is 1 mg/mL.
Concentration:	1 mg/mL
Buffer:	Antibody is lyophilized in PBS buffer with 2 % sucrose.
Handling Advice:	As with any antibody avoid repeat freeze-thaw cycles.
Storage:	4 °C/-20 °C
Storage Comment:	For short periods of storage (days) store at 4 °C. For longer periods of storage, store PDSS1
	antibody at -20 °C.

90 kDa__ 65 kDa__ 40 kDa__ 31 kDa__ 22 kDa__

Western Blotting

Image 1.