

## PDSS1 rabbit monoclonal antibody

Catalog # H00023590-K

Size 100 ug x up to 3

### Specification

<b>Product Description</b>	Rabbit monoclonal antibody raised against a human PDSS1 peptide using ARM Technology.
<b>Immunogen</b>	A synthetic peptide of human PDSS1 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
<b>Host</b>	Rabbit
<b>Library Construction</b>	Non-fusion antibody library from rabbit spleen ( <a href="#">ARM Technology</a> ).
<b>Expression</b>	Overexpression vector and transfection into 293H cell line.
<b>Reactivity</b>	Human
<b>Purification</b>	Protein A
<b>Isotype</b>	IgG
<b>Quality Control Testing</b>	Antibody reactive against human PDSS1 peptide by ELISA and mammalian transfected lysate by Western Blot.
<b>Storage Buffer</b>	In 1x PBS, pH 7.4
<b>Storage Instruction</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
<b>Deliverable</b>	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
<b>Note</b>	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) <sub>2</sub> , IgG, scFv and different Fc and non-Fc conjugates per customer request.

### Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

## Gene Info — PDSS1

Entrez GeneID	<a href="#">23590</a>
GeneBank Accession#	<a href="#">PDSS1</a>
Gene Name	PDSS1
Gene Alias	COQ1, DPS, MGC70953, RP13-16H11.3, SPS, TPRT, TPT, hDPS1
Gene Description	prenyl (decaprenyl) diphosphate synthase, subunit 1
Omim ID	<a href="#">607426</a> <a href="#">607429</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	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. [provided by RefSeq]
Other Designations	OTTHUMP00000019346 coenzyme Q1 homolog polyprenyl pyrophosphate synthetase prenyl diphosphate synthase, subunit 1 subunit 1 of decaprenyl diphosphate synthase trans-prenyltransferase (TPT)

## Pathway

- [Terpenoid backbone biosynthesis](#)

## Disease

- [Genetic Predisposition to Disease](#)
- [Kidney Failure](#)
- [Lymphoma](#)
- [Tobacco Use Disorder](#)