

## Product datasheet for TA503977M

### PDSS2 Mouse Monoclonal Antibody [Clone ID: OTI4F9]

#### Product data:

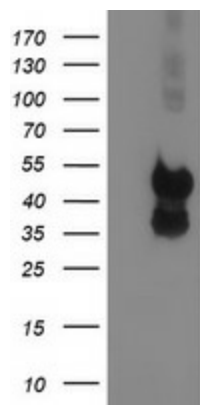
Product Type:	Primary Antibodies
Clone Name:	OTI4F9
Applications:	IF, IHC, WB
Recommended Dilution:	WB 1:2000, IHC 1:150, IF 1:100
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human PDSS2(NP_065114) produced in HEK293T cell.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	0.98 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	43.9 kDa
Gene Name:	decaprenyl diphosphate synthase subunit 2
Database Link:	<a href="#">NP_065114</a> <a href="#">Entrez Gene 71365 Mouse</a> <a href="#">Entrez Gene 365592 Rat</a> <a href="#">Entrez Gene 57107 Human</a> <a href="#">Q86YH6</a>
Background:	The protein encoded by this gene is an enzyme that synthesizes 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. Defects in this gene are a cause of coenzyme Q10 deficiency. COMPLETENESS: complete on the 3' end.


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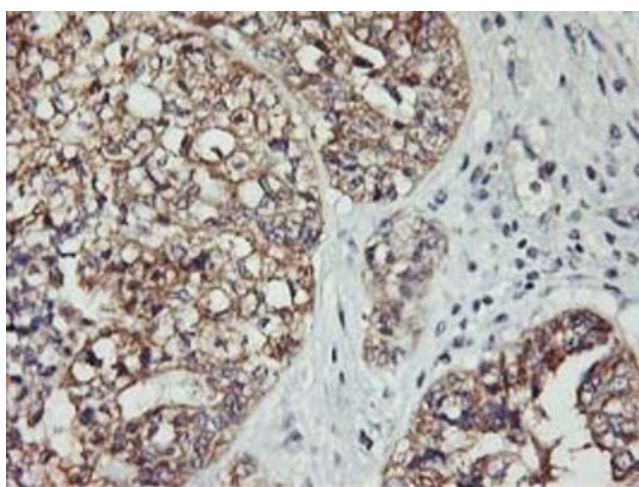
**Synonyms:** bA59I9.3; C6orf210; COQ10D3; DLP1; hDLP1

**Protein Pathways:** Terpenoid backbone biosynthesis

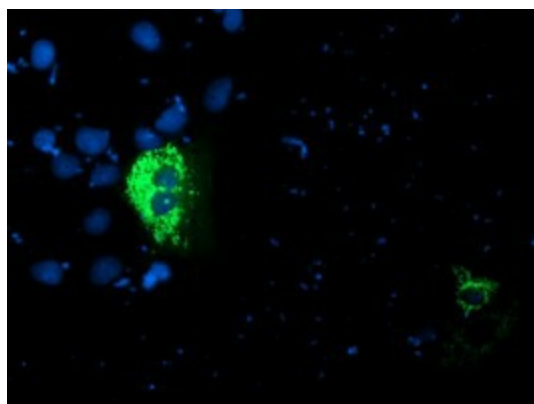
**Product images:**



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY PDSS2 ([RC207892], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-PDSS2. Positive lysates [LY412512] (100ug) and [LC412512] (20ug) can be purchased separately from OriGene.



Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human ovary tissue using anti-PDSS2 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Anti-PDSS2 mouse monoclonal antibody ([TA503977]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY PDSS2 ([RC207892]).