

Product datasheet for **CF503952**

PDSS2 Mouse Monoclonal Antibody [Clone ID: OTI2A3]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI2A3
Applications:	FC, IHC, WB
Recommended Dilution:	WB 1:2000, IHC 1:150, FLOW 1:100
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human PDSS2(NP_065114) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
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:	NP_065114 Entrez Gene 71365 Mouse Entrez Gene 365592 Rat Entrez Gene 57107 Human Q86YH6



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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.

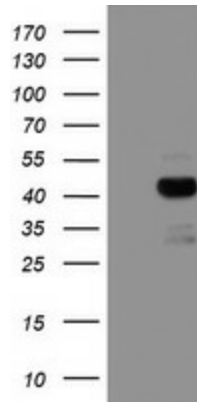
Synonyms:

bA59I9.3; C6orf210; COQ10D3; DLP1; hDLP1

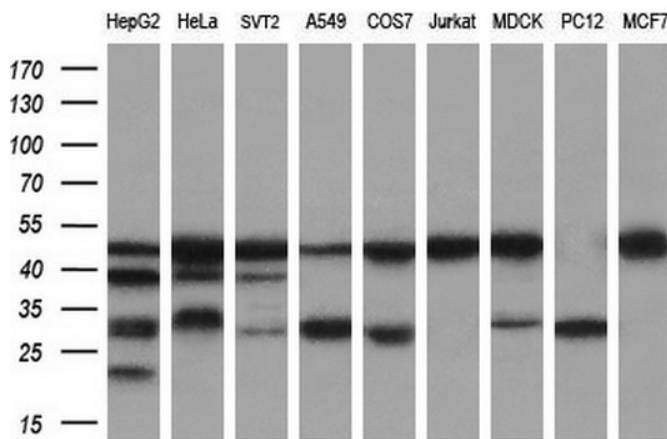
Protein Pathways:

Terpenoid backbone biosynthesis

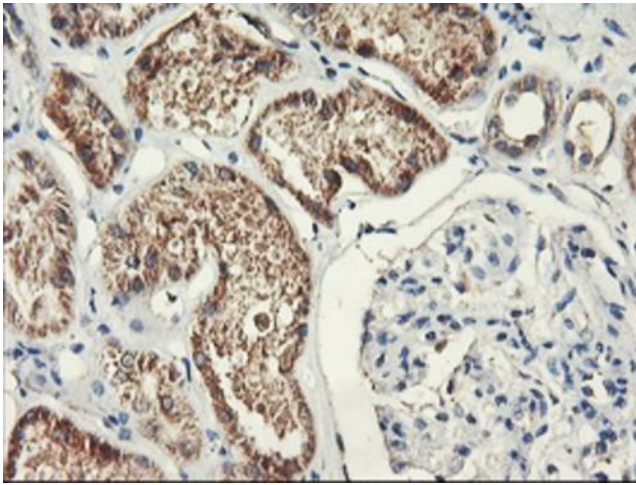
Product images:



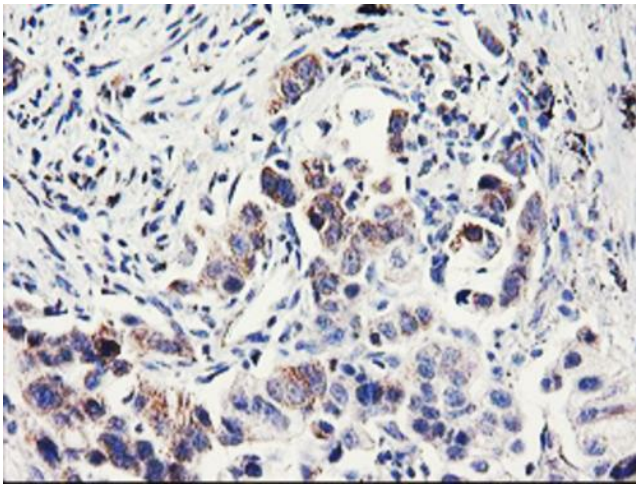
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY PDSS2 ([RC207892], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-PDSS2. Positive lysates [LY412512] (100ug) and [LC412512]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



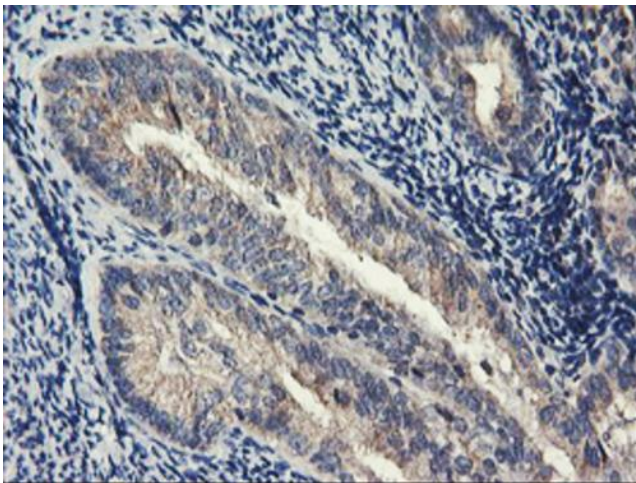
Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-PDSS2 monoclonal antibody (HepG2: human; HeLa: human; SVT2: mouse; A549: human; COS7: monkey; Jurkat: human; MDCK: canine; PC12: rat; MCF7: human) (1:200).



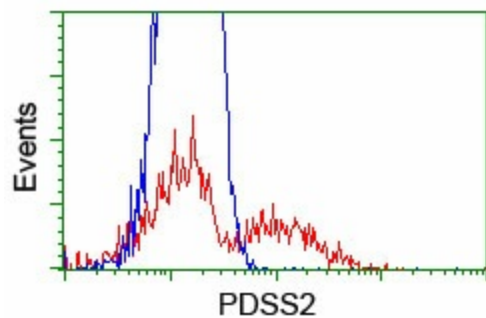
Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-PDSS2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA503952])



Immunohistochemical staining of paraffin-embedded Carcinoma of Human lung tissue using anti-PDSS2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA503952])



Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human endometrium tissue using anti-PDSS2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA503952])



HEK293T cells transfected with either [RC207892] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-PDSS2 antibody ([TA503952]), and then analyzed by flow cytometry.