

## Product datasheet for **UM500108CF**

### PDSS2 Mouse Monoclonal Antibody [Clone ID: UMAB177]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	UMAB177
Applications:	10k-ChIP, IHC, WB
Recommended Dilution:	IHC 1:100~200
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:	<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>



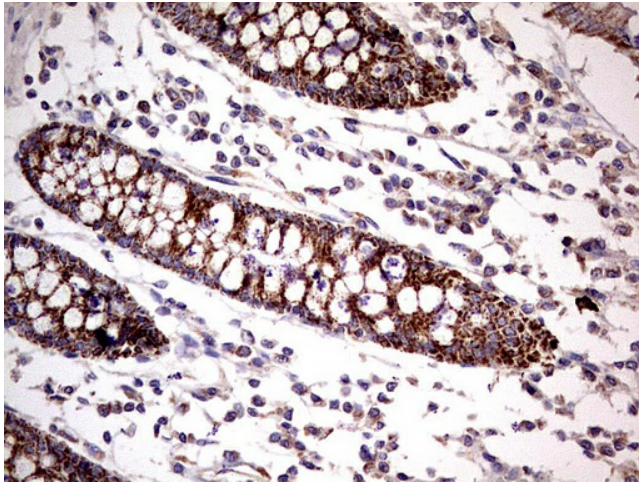
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**Background:** The protein encoded by this gene is an enzyme that synthesizes the prenyl side-chain of coenzyme Q, or ubiquinone, one of the key elements in the respiratory chain. The gene product catalyzes the formation of all trans-polyprenyl pyrophosphates 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. [provided by RefSeq, Oct 2009]

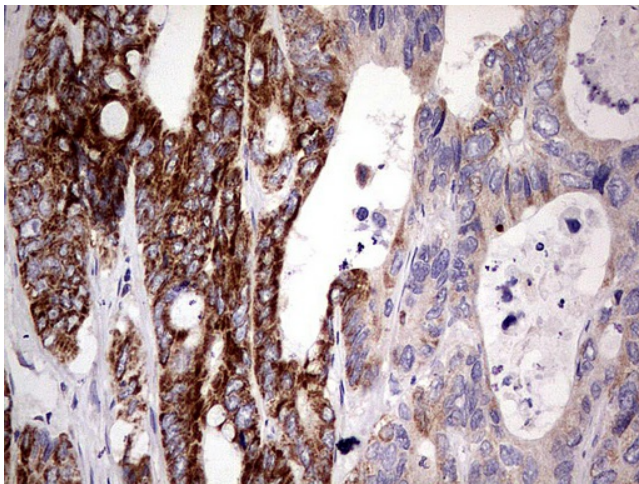
**Synonyms:** bA59I9.3; C6orf210; COQ10D3; DLP1; hDLP1

**Protein Pathways:** Terpenoid backbone biosynthesis

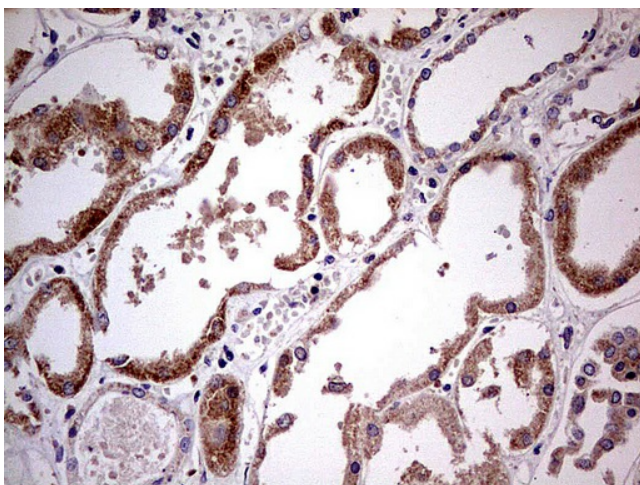
**Product images:**



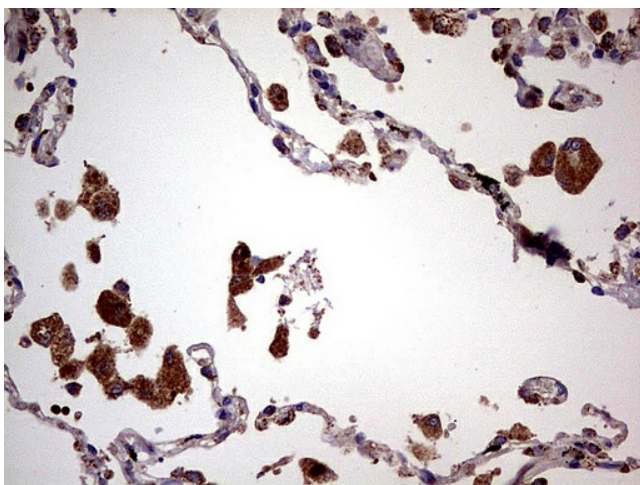
Immunohistochemical staining of paraffin-embedded Human colon tissue using anti-PDSS2 mouse monoclonal antibody. ([UM500108], heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.0, 120°C for 3min)



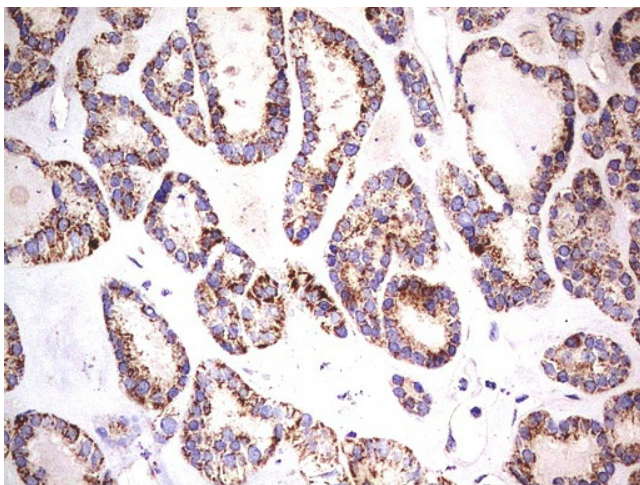
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human colon tissue using anti-PDSS2 mouse monoclonal antibody. ([UM500108], heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.0, 120°C for 3min)



Immunohistochemical staining of paraffin-embedded Human Kidney tissue using anti-PDSS2 mouse monoclonal antibody. ([UM500108], heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.0, 120°C for 3min)

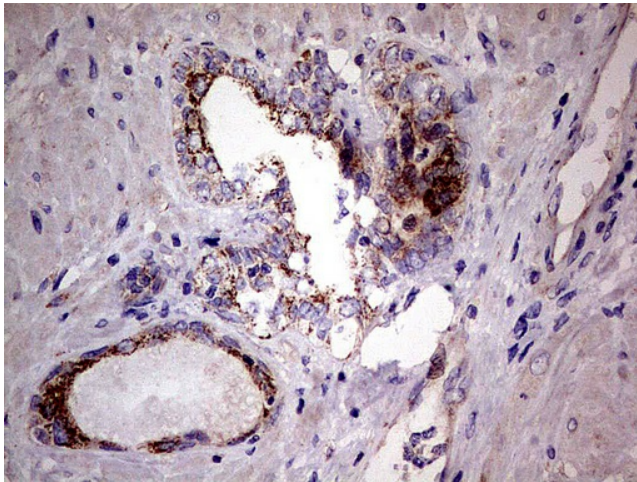


Immunohistochemical staining of paraffin-embedded Human lung tissue using anti-PDSS2 mouse monoclonal antibody. ([UM500108], heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.0, 120°C for 3min)

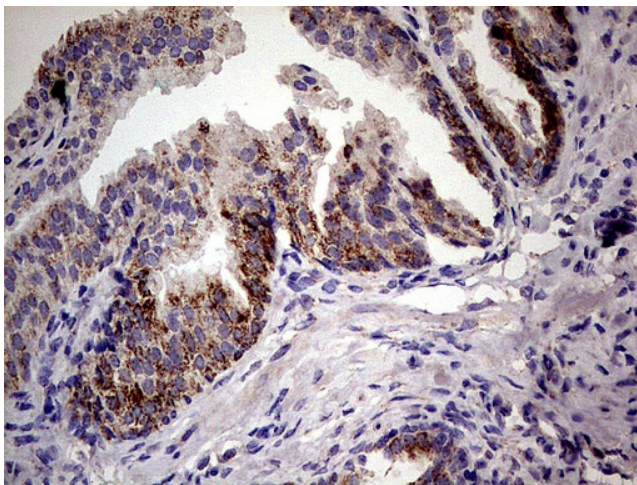


Immunohistochemical staining of paraffin-embedded Carcinoma of Human thyroid tissue using anti-PDSS2 mouse monoclonal antibody. ([UM500108], heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.0, 120°C for 3min)

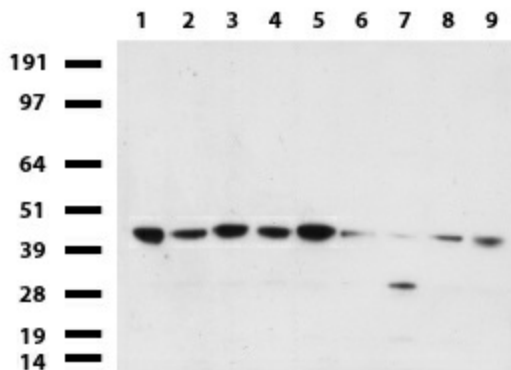




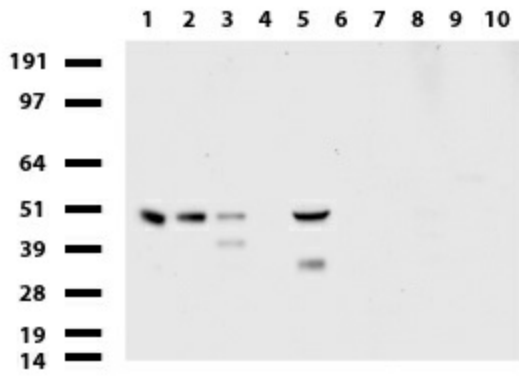
Immunohistochemical staining of paraffin-embedded Human prostate tissue using anti-PDSS2 mouse monoclonal antibody. ([UM500108], heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.0, 120°C for 3min)



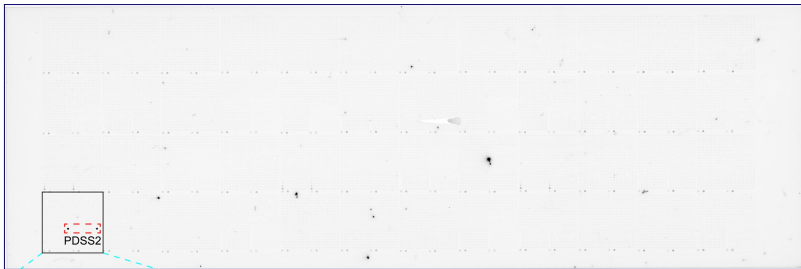
Immunohistochemical staining of paraffin-embedded Carcinoma of Human prostate tissue using anti-PDSS2 mouse monoclonal antibody. ([UM500108], heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.0, 120°C for 3min)



Western blot of cell lysates (35ug) from 9 different cell lines (1: HepG2, 2: HeLa, 3: SV-T2, 4: A549, 5: COS7, 6: Jurkat, 7: MDCK, 8: PC-12, 9: MCF7).



Western blot of human tissue lysates (15ug) from 10 different tissues (1: Testis, 2: Omentum, 3: Uterus, 4: Breast, 5: Brain, 6: Liver, 7: Ovary, 8: Thyroid, 9: Colon, 10: Spleen). Dilution: 1:500.



OriGene overexpression protein microarray chip was immunostained with UltraMAB anti-PDSS2 mouse monoclonal antibody ([UM500108]). The positive reactive proteins are highlighted with two red arrows in the enlarged subarray. All the positive controls spotted in this subarray are also labeled for clarification.

