

## Product datasheet for **UM500108**

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

#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Clone Name:</b>	UMAB177
<b>Applications:</b>	10k-ChIP, IHC, WB
<b>Recommended Dilution:</b>	IHC 1:100~200
<b>Reactivity:</b>	Human, Mouse, Rat
<b>Host:</b>	Mouse
<b>Isotype:</b>	IgG1
<b>Clonality:</b>	Monoclonal
<b>Immunogen:</b>	Full length human recombinant protein of human PDSS2(NP_065114) produced in HEK293T cell.
<b>Formulation:</b>	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
<b>Concentration:</b>	0.5~1.0 mg/ml (Lot Dependent)
<b>Purification:</b>	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store at -20°C as received.
<b>Stability:</b>	Stable for 12 months from date of receipt.
<b>Predicted Protein Size:</b>	43.9 kDa
<b>Gene Name:</b>	decaprenyl diphosphate synthase subunit 2
<b>Database Link:</b>	<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>
<b>Background:</b>	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]

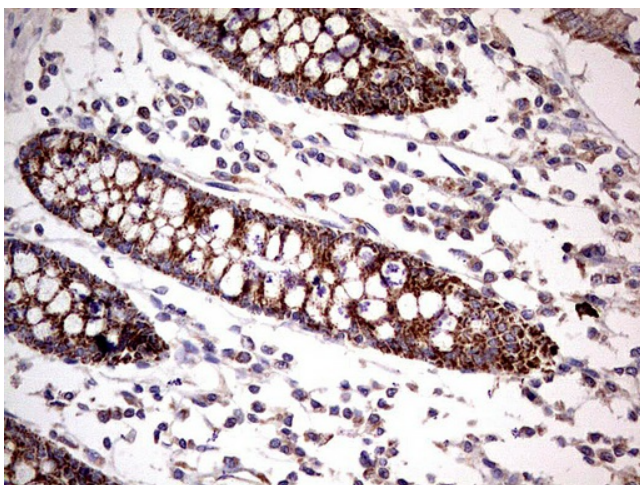


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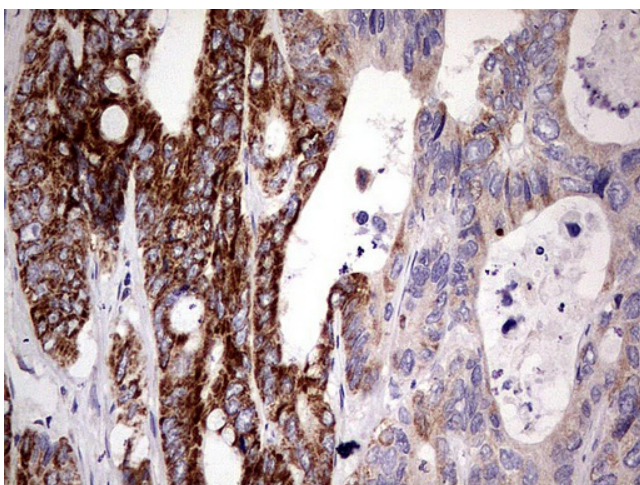
**Synonyms:** bA59I9.3; C6orf210; COQ10D3; DLP1; hDLP1

**Protein Pathways:** Terpenoid backbone biosynthesis

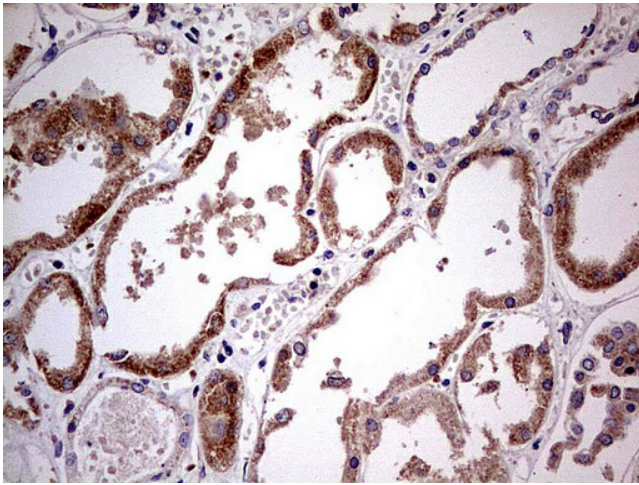
**Product images:**



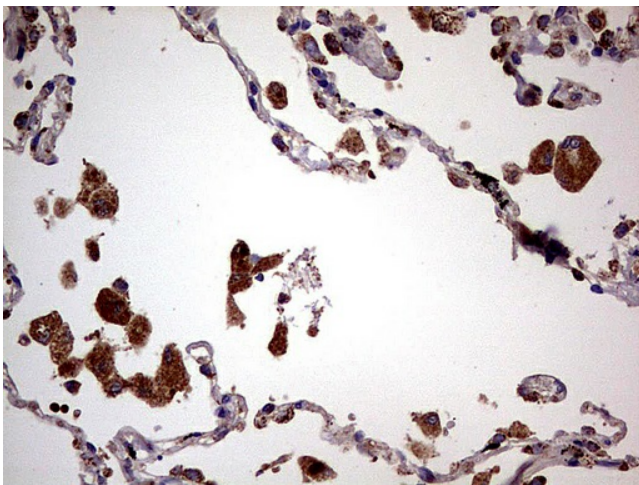
Immunohistochemical staining of paraffin-embedded Human colon tissue using anti-PDSS2 mouse monoclonal antibody. (UM500108, heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.0, 120°C for 3min)



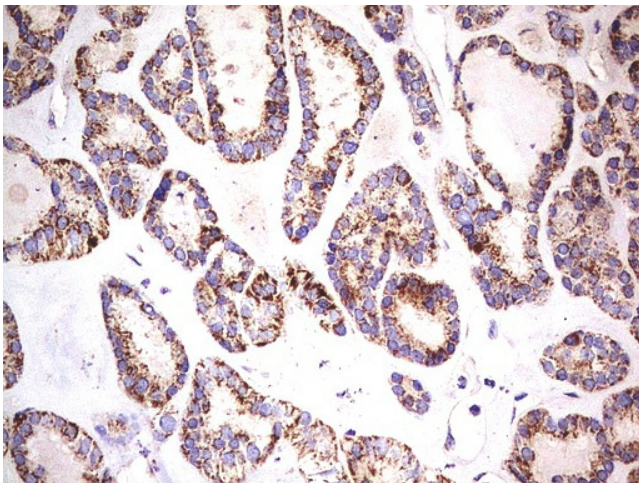
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human colon tissue using anti-PDSS2 mouse monoclonal antibody. (UM500108, heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.0, 120°C for 3min)



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)

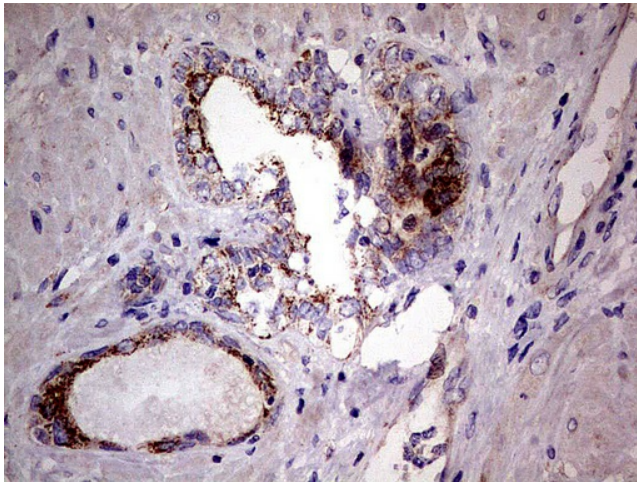


Immunohistochemical staining of paraffin-embedded Human lung tissue using anti-PDSS2 mouse monoclonal antibody. (UM500108, heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.0, 120°C for 3min)

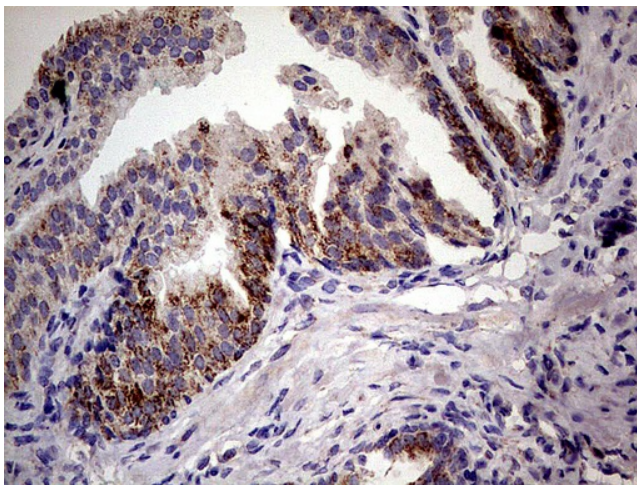


Immunohistochemical staining of paraffin-embedded Carcinoma of Human thyroid tissue using anti-PDSS2 mouse monoclonal antibody. (UM500108, heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.0, 120°C for 3min)

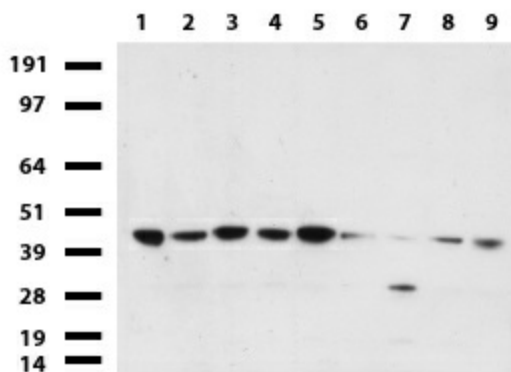




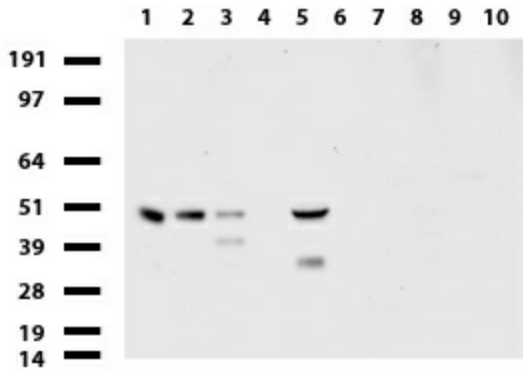
Immunohistochemical staining of paraffin-embedded Human prostate tissue using anti-PDSS2 mouse monoclonal antibody. (UM500108, heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.0, 120°C for 3min)



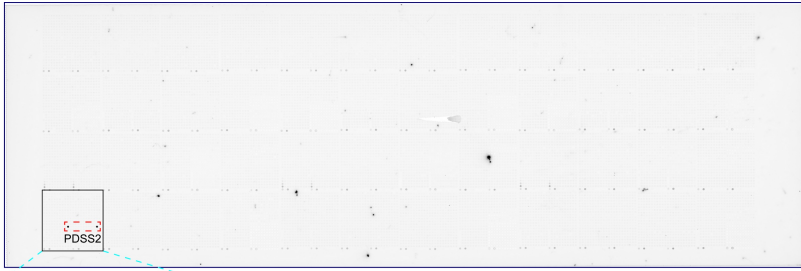
Immunohistochemical staining of paraffin-embedded Carcinoma of Human prostate tissue using anti-PDSS2 mouse monoclonal antibody. (UM500108, heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.0, 120°C for 3min)



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.

