

For Research Use Only

# PDSS2 Polyclonal antibody

Catalog Number: 13544-1-AP

Featured Product

7 Publications



## Basic Information

### Catalog Number:

13544-1-AP

### Size:

150ul, Concentration: 300 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG4487

### GenBank Accession Number:

BC039906

### GeneID (NCBI):

57107

### UNIPROT ID:

Q86YH6

### Full Name:

prenyl (decaprenyl) diphosphate synthase, subunit 2

### Calculated MW:

399 aa, 44 kDa

### Observed MW:

27-30 kDa, 44-47 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:1000

IHC 1:250-1:1000

## Applications

### Tested Applications:

WB, IHC, ELISA

### Cited Applications:

WB, IF

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse

### Positive Controls:

WB : SGC-7901 cells, A375 cells

IHC : human kidney tissue, human liver cancer tissue, mouse liver tissue, rat kidney tissue

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Background Information

PDSS2, also named as C6orf210, is required for the synthesis of coenzyme Q10 (CoQ10), which is synthesized in the mitochondrial inner membrane and plays a vital role in the mitochondrial respiratory chain, pyrimidine nucleoside biosynthesis, and modulation of apoptosis (PMID:25330808). An increasing body of evidence suggests that PDSS2 is a tumor suppressor gene in certain cancers, such as melanoma, gastric cancer and non-small cell lung cancer. Besides, PDSS2 could be used as a prognostic biomarker for HCC (PMID:25780306). PDSS2 has 2 isoforms with MW of 44 kDa and 27 kDa while 13544-1-AP antibody detects the bands around 27-30 kDa and 44-47 kDa in SDS-PAGE.

## Notable Publications

Author	Pubmed ID	Journal	Application
Ying Wang	36176269	MicroPubl Biol	WB
Agustín Hidalgo-Gutiérrez	30482867	EMBO Mol Med	WB
Yaakov Bentov	26552664	J Assist Reprod Genet	WB

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

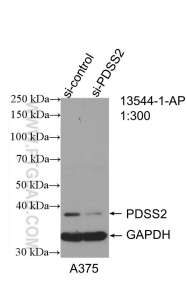
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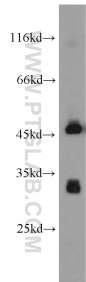
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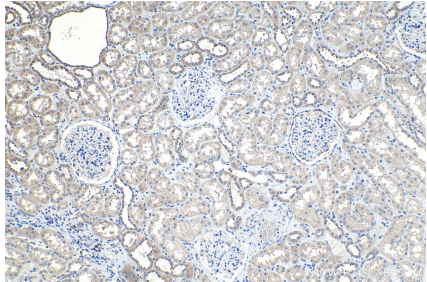
Selected Validation Data



WB result of PDSS2 antibody (13544-1-AP; 1:300; incubated at room temperature for 1.5 hours) with sh-Control and sh-PDSS2 transfected A375 cells.



SGC-7901 cells were subjected to SDS PAGE followed by western blot with 13544-1-AP (PDSS2 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 13544-1-AP (PDSS2 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).