

For Research Use Only

# DUS4L Polyclonal antibody

Catalog Number: 21870-1-AP



## Basic Information

<b>Catalog Number:</b> 21870-1-AP	<b>GenBank Accession Number:</b> BC111774	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 650 µg/ml by Nanodrop and 493 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 11062	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> dihydrouridine synthase 4-like (S. cerevisiae)	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 317 aa, 36 kDa	
<b>Immunogen Catalog Number:</b> AG16145	<b>Observed MW:</b> 22 kDa, 30 kDa	

## Applications

### Tested Applications:

IHC, WB, ELISA

### Species Specificity:

human, mouse

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

### Positive Controls:

WB : mouse kidney tissue,

IHC : human liver cancer tissue,

## Background Information

tRNA-dihydrouridine synthase 4-like belongs to the dus family. It catalyzes the synthesis of dihydrouridine and a modified base found in the D-loop of most tRNAs. Researches showed that DUS4L was also phosphorylated in vitro by a Ca<sup>2+</sup> calmodulin-activated kinase. It has 2 isoforms produced by alternative splicing. One, at 35 kDa, comigrated with a second cAMP-stimulated R15-ROS phosphoprotein, DUS4L, which was also detected in the cytoskeleton. This antibody recognizes the C-terminal of DUS4L.

## 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

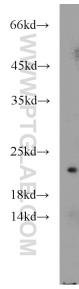
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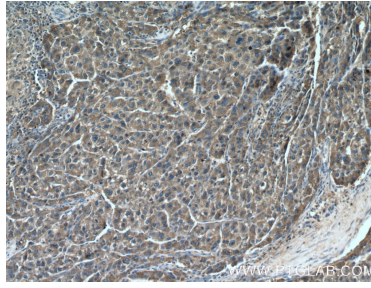
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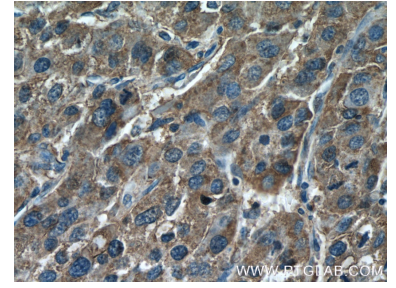
## Selected Validation Data



mouse kidney tissue were subjected to SDS PAGE followed by western blot with 21870-1-AP (DUS4L antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 21870-1-AP (DUS4L Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 21870-1-AP (DUS4L Antibody) at dilution of 1:200 (under 40x lens).