

For Research Use Only

DUS4L Polyclonal antibody

Catalog Number: 21870-1-AP



Basic Information

Catalog Number: 21870-1-AP	GenBank Accession Number: BC111774	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 650 ug/ml by Nanodrop and 493 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 11062	Recommended Dilutions: WB 1:500-1:2000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: O95620	
Isotype: IgG	Full Name: dihydrouridine synthase 4-like (S. cerevisiae)	
Immunogen Catalog Number: AG16145	Calculated MW: 317 aa, 36 kDa	
	Observed MW: 22 kDa, 30 kDa	

Applications

Tested Applications:

WB, IHC, 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 Ca²⁺ calmodulin-activated kinase. It has 2 isoforms produced by alternative splicing. One, at 35 kDa, comigrated with a second cAMP-stimulated RIS-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

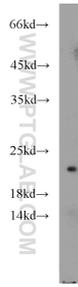
For technical support and original validation data for this product please contact:

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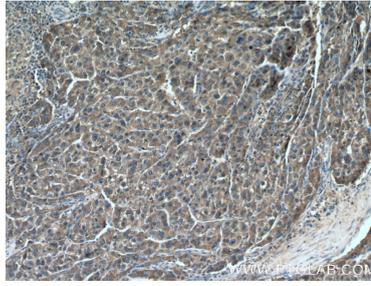
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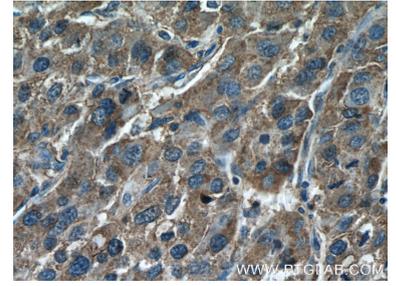
Selected Validation Data



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).