

For Research Use Only

UGP2 Monoclonal antibody

Catalog Number: 68381-1-Ig



Basic Information

Catalog Number: 68381-1-Ig	GenBank Accession Number: BC002954	Purification Method: Protein A purification
Size: 150ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 7360	CloneNo.: 1G11G6
Source: Mouse	Full Name: UDP-glucose pyrophosphorylase 2	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:1000-1:4000
Isotype: IgG2b	Calculated MW: 56 kDa	
Immunogen Catalog Number: AG33160	Observed MW: 50-56 kDa	

Applications

Tested Applications:

IHC, WB, ELISA

Species Specificity:

Human, mouse, Rat, Pig, Rabbit

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 : HEK-293 cells, pig liver tissue, LNCaP cells, rabbit liver tissue, rat liver tissue, mouse liver tissue

IHC : human liver cancer tissue,

Background Information

UDP-glucose pyrophosphorylase 2 (UGP2, synonyms: UDPG, UGPP2, UDPGP2, Phc379) is an important intermediary in mammalian carbohydrate interconversions. It transfers a glucose moiety from glucose-1-phosphate to MgUTP and forms UDP-glucose and MgPPi. In liver and muscle tissue, UDP-glucose is a direct precursor of glycogen; in lactating mammary gland it is converted to UDP-galactose which is then converted to lactose. So far two isoforms are encoded by two transcript variants have been found.

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

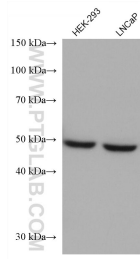
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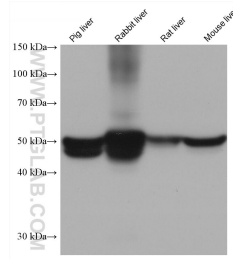
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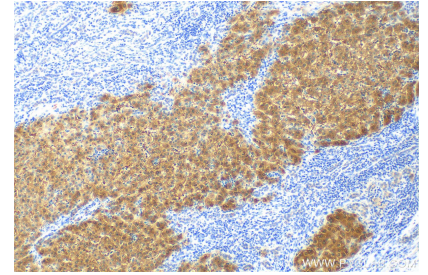
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68381-1-Ig (UGP2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



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Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 68381-1-Ig (UGP2 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).