

For Research Use Only

UGP2 Monoclonal antibody, PBS Only



Catalog Number: 68381-1-PBS

Basic Information

Catalog Number: 68381-1-PBS	GenBank Accession Number: BC002954	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 7360	CloneNo.: 1G11G6
Source: Mouse	UNIPROT ID: Q16851	
Isotype: IgG2b	Full Name: UDP-glucose pyrophosphorylase 2	
Immunogen Catalog Number: AG33160	Calculated MW: 56 kDa	
	Observed MW: 50-56 kDa	

Applications

Tested Applications:
WB, IHC, Indirect ELISA

Species Specificity:
Human, mouse, Rat, Pig, Rabbit

Background Information

UDP-glucose pyrophosphorylase 2 (UGP2, synonyms: UDPG, UGPP2, UDGP2, 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.

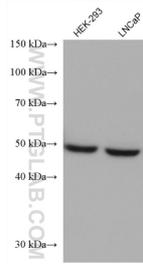
Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS Only

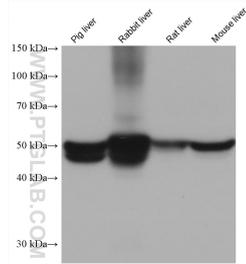
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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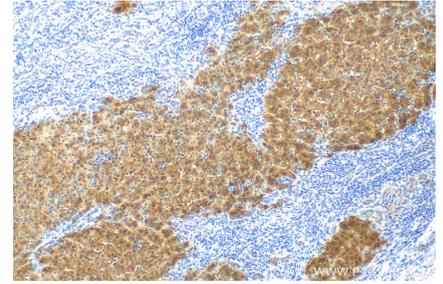
Selected Validation Data



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. This data was developed using the same antibody clone with 68381-1-PBS in a different storage buffer formulation.



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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). This data was developed using the same antibody clone with 68381-1-PBS in a different storage buffer formulation.