

For Research Use Only

UGP2 Polyclonal antibody

Catalog Number: 10391-1-AP

Featured Product

4 Publications



Basic Information

Catalog Number: 10391-1-AP	GenBank Accession Number: BC002954	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 300 µg/ml by Nanodrop and 233 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 7360	Recommended Dilutions: WB 1:500-1:1000 IHC 1:20-1:200
Source: Rabbit	Full Name: UDP-glucose pyrophosphorylase 2	
Isotype: IgG	Calculated MW: 56 kDa	
Immunogen Catalog Number: AG0590	Observed MW: 50-56 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : HepG2 cells, mouse liver tissue, HeLa cells, HEK-293 cells, rat liver tissue
Cited Applications: IHC, WB	IHC : human ovary tumor tissue, human liver cancer tissue
Species Specificity: human, mouse, rat	
Cited Species: human, rat	

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

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.

Notable Publications

Author	Pubmed ID	Journal	Application
Qiuyue Hu	32733617	Dis Markers	IHC
Chun Zeng	30816613	J Cell Biochem	WB
Dong-Xue Ding	35281731	iScience	WB

Storage

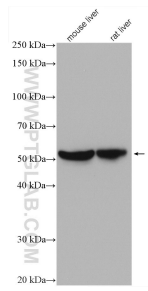
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

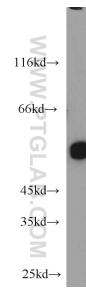
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

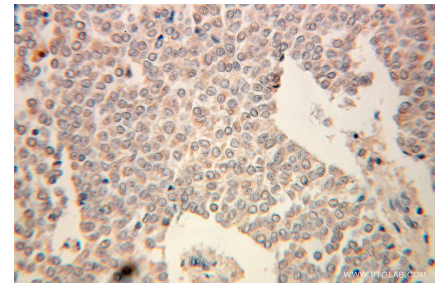
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 10391-1-AP (UGP2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



HepG2 cells were subjected to SDS PAGE followed by western blot with 10391-1-AP (UGP2 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human ovary tumor using 10391-1-AP (UGP2 antibody) at dilution of 1:100 (under 25x lens).