

For Research Use Only

UGP2 Recombinant monoclonal antibody

Catalog Number: 86699-1-RR

Featured Product



Basic Information

Catalog Number: 86699-1-RR	GenBank Accession Number: BC002954	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 7360	CloneNo.: 251615C1
Isotype: IgG	UNIPROT ID: Q16851	Recommended Dilutions: WB: 1:5000-1:50000 IF/ICC: 1:300-1:1200
Immunogen Catalog Number: AG0590	Full Name: UDP-glucose pyrophosphorylase 2	
	Calculated MW: 56 kDa	
	Observed MW: 50-56 kDa	

Applications

Tested Applications:
WB, IF/ICC, ELISA

Species Specificity:
human, mouse, rat

Positive Controls:

WB : HepG2 cells, mouse liver tissue, rat liver tissue
IF/ICC : HepG2 cells,

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, pH7.3

Aliquoting is unnecessary for -20°C storage

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

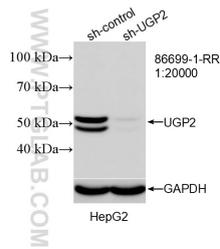
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E: Proteintech-CN@ptglab.com

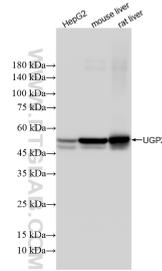
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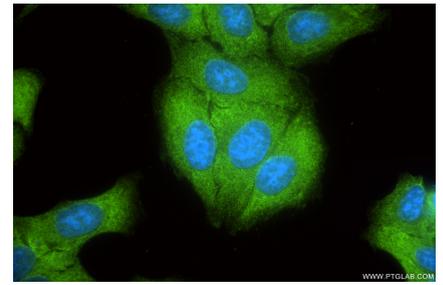
Selected Validation Data



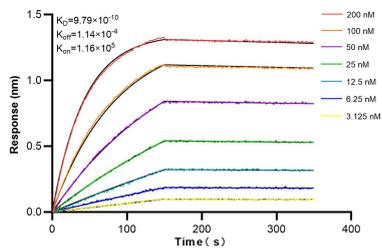
WB result of UGP2 antibody (86699-1-RR; 1:20000; incubated at room temperature for 1.5 hours) with sh-Control and sh-UGP2 transfected HepG2 cells.



Various lysates were subjected to SDS PAGE followed by western blot with 86699-1-RR (UGP2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using UGP2 antibody (86699-1-RR, Clone: 251615C1) at dilution of 1:600 and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Biolayer interferometry (BLI) kinetic assays of 86699-1-RR against Human UGP2 were performed. The affinity constant is 0.979 nM.