

UGP2 Polyclonal Antibody

Catalog number: 10391-1-AP

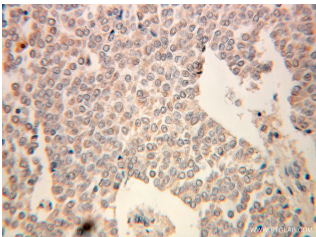
Size: 20 µg/150 µl

Source: Rabbit

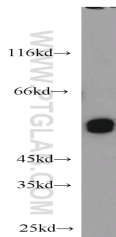
Isotype: IgG

Synonyms:

UGP2; pHC379, UDP glucose pyrophosphorylase, UDPG, UDPGP, UDPGP2, UGP1, UGP2, UGPase, UGPP2



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



HepG2 cells were subjected to SDS PAGE followed by western blot with 10391-1-AP(UGP2 antibody) at dilution of 1:500

Background

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.

Applications

Tested applications:	ELISA, IHC, WB
Cited applications:	IHC
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Rat
Calculated UGP2 MW:	56 kDa
Observed UGP2 MW:	50-56kd
Positive WB detected in	HepG2 cells, HEK-293 cells, HeLa cells, mouse liver tissue
Positive IHC detected in	Human ovary tumor tissue
Recommended dilution:	WB: 1:200-1:2000 IHC: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag0590
GenBank accession number:	BC002954
Gene ID (NCBI):	7360
Full name:	UDP-glucose pyrophosphorylase 2

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.