Anti-UGP2 Antibody

R1404-5

Product Type:	Rabbit polyclonal IgG, primary antibodies
Species reactivity:	Human, Mouse, Rat, Zebrafish
Applications:	WB
Molecular Wt:	Predicted band size: 57 kDa

Description: UTP—glucose-1-phosphate uridylyltransferase also known as glucose-1-phosphate uridylyltransferase (or UDP–glucose pyrophosphorylase) is an enzyme associated with glycogenesis. It synthesizes UDP-glucose from glucose-1-phosphate and UTP. It plays a central role as a glucosyl donor in cellular metabolic pathways.

Immunogen: Synthetic peptide within human UGP2 aa 60-120.

Positive control: Human liver, rat liver, mouse liver, human heart, NIH/3T3, HepG2

Subcellular location: Cytoplasm

Database links: SwissProt: Q16851 Human

Recommended Dilutions:

WB	1:1,000-1:2,000

Storage Buffer: 1*PBS (pH7.4), 0.2% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.

Storage Instruction: Store at +4℃ after thawing. Aliquot store at -20℃ or -80℃. Avoid repeated freeze / thaw cycles.

Purity: Immunogen affinity purified.

Images

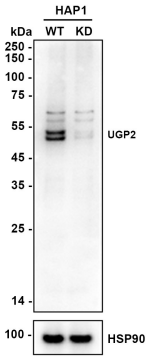

Fig1: Western blot analysis of UGP2 on different lysates with Rabbit anti-UGP2 antibody (R1404-5) at 1/1,000 dilution.

Lane 1: HAP1-parental cell lysate
Lane 2: HAP1-UGP2 KD cell lysate

Lysates/proteins at 10 µg/Lane.

Predicted band size: 57 kDa
Observed band size: 57/56 kDa

Exposure time: 10 seconds; ECL: K1801;

4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody (R1404-5) at 1/1,000 dilution was used in primary antibody dilution (K1803) at 4℃ overnight. Goat Anti-Rabbit IgG - HRP Secondary Antibody (HA1001) at 1/50,000 dilution was used for 1 hour at room temperature.

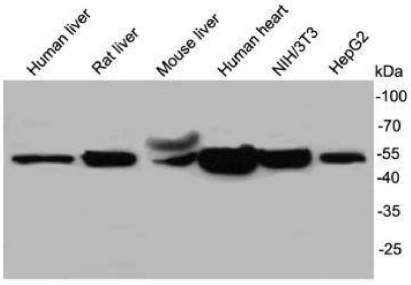

Fig2: Western blot analysis on cell lysates using anti- UGP2 rabbit polyclonal antibodies.

Note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

Background References

1. "The importance of conserved residues in human liver UDPglucose pyrophosphorylase." Chang H.-Y., Peng H.-L., Chao Y.C., Duggleby R.G. Eur. J. Biochem. 236:723-728(1996)
2. "The crystal structure of human UDP-glucose pyrophosphorylase reveals a latch effect that influences enzymatic activity." Yu Q., Zheng X. Biochem. J. 442:283-291(2012)