

Rabbit UGP2 Polyclonal Antibody | anti-UGP2 antibody

UGP2 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290932	Rabbit	HumanPredicted: Bovine, Hamster, Mouse, Pig	ELISA, Immunohistochemistry, Western Blot

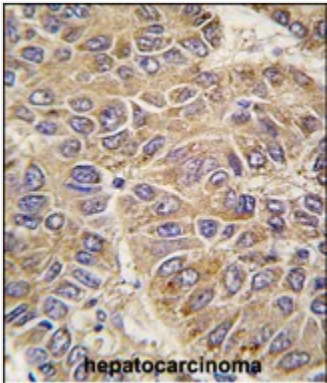
PRODUCT SYNONYMS

UGP2; Polyclonal Antibody; UGP2 Antibody (C-term); UTP--glucose-1-phosphate uridylyltransferase; UDP-glucose pyrophosphorylase; UDPGP; UGPase; UGP1; anti-UGP2 antibody

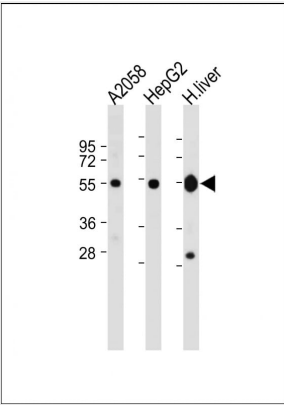
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human Predicted: Bovine, Hamster, Mouse, Pig
Clonality	Polyclonal
Isotype	Ig
Specificity	This UGP2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 467-497 amino acids from the C-terminal region of human UGP2.
Purity/Purification	Prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Form/Format	Supplied in PBS with 0.09% (W/V) sodium azide.
Sequence Length	497
Applicable Applications for anti-UGP2 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	Human
Antigen Region	467-497
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohiostchemistry)
Dilution: IHC-P - 1:10~50Formalin-fixed and paraffin-embedded human hepatocarcinoma tissue reacted with UGP2 antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Dilution: WB - 1:2000All lanes: Anti-UGP2 Antibody (C-term) at 1:2000 dilution Lane 1: A2058 whole cell lysate Lane 2: HepG2 whole cell lysate Lane 3: Human liver lysate Lysates/proteins at 20 ug per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size: 57 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-UGP2 antibody	UGP2 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. The eukaryotic enzyme has no significant sequence similarity to the prokaryotic enzyme.
Product Categories/Family for anti-UGP2 antibody	Signal Transduction
References	Ewing,R.M., Mol. Syst. Biol. 3, 89 (2007) Wistow,G., (er) Mol. Vis. 8, 205-220 (2002) Chang,H.Y., Eur. J. Biochem. 236 (2), 723-728 (1996)

NCBI AND UNIPROT INFORMATION

NCBI GI #	48255968
NCBI GeneID	7360
NCBI Accession #	NP_001001521.1; NP_006750.3
NCBI GenBank Nucleotide #	NM_001001521.1
UniProt Accession #	Q16851; P79303; Q91ZJ5; O35156; Q07130
Molecular Weight	56940 Da
NCBI Official Full Name	UTP--glucose-1-phosphate uridylyltransferase isoform b
NCBI Official Synonym Full Names	UDP-glucose pyrophosphorylase 2
NCBI Official Symbol	UGP2
NCBI Official Synonym Symbols	UDPG; UGP1; UDPGP; UGPP1; UGPP2; UDPGP2; pH379
NCBI Protein Information	UTP--glucose-1-phosphate uridylyltransferase
UniProt Protein Name	UTP--glucose-1-phosphate uridylyltransferase
UniProt Gene Name	UGP2
UniProt Synonym Gene Names	UGP1; UDPGP; UGPase
UniProt Entry Name	UGPA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/ugp2-antibody-immunohistochemistry-western-blot-elisa/290932>