

**UGP2 Antibody (C-term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP2760b****Specification**

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**UGP2 Antibody (C-term) - Product Information**

Application	<b>WB, IHC-P,E</b>
Primary Accession	<a href="#">Q16851</a>
Other Accession	<a href="#">P79303</a> , <a href="#">Q91ZJ5</a> , <a href="#">O35156</a> , <a href="#">Q07130</a>
Reactivity	<b>Human</b>
Predicted	<b>Bovine, Hamster, Mouse, Pig</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Isotype	<b>Rabbit IgG</b>
Antigen Region	<b>467-497</b>

**UGP2 Antibody (C-term) - Additional Information****Gene ID** 7360**Other Names**

UTP--glucose-1-phosphate uridylyltransferase, UDP-glucose pyrophosphorylase, UDPGP, UGPase, UGP2, UGP1

**Target/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.

**Dilution**WB~~1:2000  
IHC-P~~1:10~50**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

UGP2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**UGP2 Antibody (C-term) - Protein Information****Name** UGP2 ([HGNC:12527](#))

**Function** UTP--glucose-1-phosphate uridylyltransferase catalyzing the conversion of glucose-1-phosphate into UDP-glucose, a crucial precursor for the production of glycogen.

#### Cellular Location

Cytoplasm

#### Tissue Location

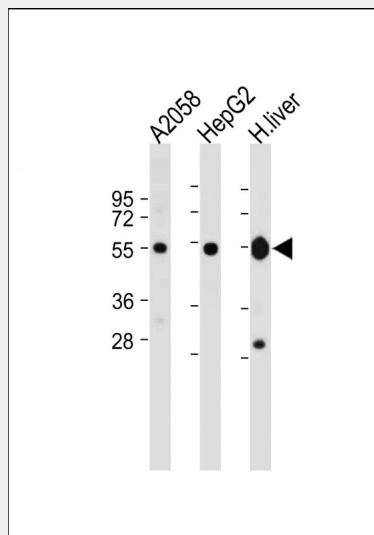
Highly expressed in various brain regions. Expressed in amygdala, anterior cingulate cortex, caudate, cerebellar hemisphere, cerebellum, cortex, frontal cortex, hippocampus, hypothalamus, nucleus accumbens, putamen, spinal cord and substantia nigra (PubMed:31820119). Also widely expressed among other tissues, including liver, heart, placenta, lung, kidney, pancreas and skeletal muscle (PubMed:8354390, PubMed:8631325).

### UGP2 Antibody (C-term) - Protocols

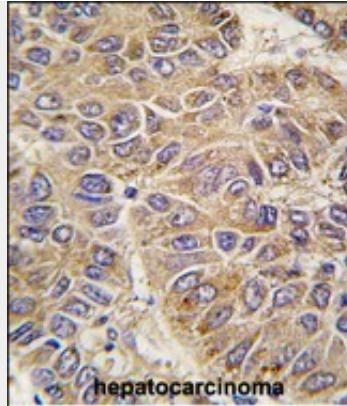
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### UGP2 Antibody (C-term) - Images



All 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 µg 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.



Formalin-fixed and paraffin-embedded human hepatocarcinoma tissue reacted with UGP2 antibody (C-term) (Cat.#AP2760b), 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.

#### **UGP2 Antibody (C-term) - Background**

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.

#### **UGP2 Antibody (C-term) - 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)

#### **UGP2 Antibody (C-term) - Citations**

- [Expression of UGP2 and CFL1 expression levels in benign and malignant pancreatic lesions and their clinicopathological significance.](#)
- [SHP2 and UGP2 are Biomarkers for Progression and Poor Prognosis of Gallbladder Cancer.](#)