

For Research Use Only

# UGP2 Monoclonal antibody

Catalog Number: 65012-2-Ig



## Basic Information

<b>Catalog Number:</b> 65012-2-Ig	<b>GenBank Accession Number:</b> BC002954	<b>Purification Method:</b> Other
<b>Size:</b> N/A	<b>GeneID (NCBI):</b> 7360	<b>Recommended Dilutions:</b> WB 1:500-1:2000
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q16851	
<b>Isotype:</b> IgG	<b>Full Name:</b> UDP-glucose pyrophosphorylase 2	
	<b>Calculated MW:</b> 56 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : SMMC-7721 cells,
<b>Species Specificity:</b> human	

## 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 2-8°C.  
**Storage Buffer:**  
PBS with 0.1% sodium azide and 50% glycerol pH 7.3.

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

T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data