

# UGP2 Monoclonal antibody

Catalog Number: 65012-1-Ig

## Basic Information

**Catalog Number:**

65012-1-Ig

**Size:**

670 µg/ml

**Source:**

Mouse

**Isotype:**

IgG

**GenBank Accession Number:**

BC002954

**GeneID (NCBI):**

7360

**UNIPROT ID:**

Q16851

**Full Name:**

UDP-glucose pyrophosphorylase 2

**Calculated MW:**

56 kDa

**Observed MW:**

56 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:200-1:1000

## Applications

**Tested Applications:**

WB, ELISA

**Species Specificity:**

human

**Positive Controls:**

WB : Recombinant protein,

## 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.

