

For Research Use Only

# UGCGL1 Monoclonal antibody

Catalog Number: 68462-1-Ig



## Basic Information

Catalog Number:

68462-1-Ig

Size:

150ul, Concentration: 1000 ug/ml by Nanodrop;

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG5940

GenBank Accession Number:

BC041098

GeneID (NCBI):

56886

UNIPROT ID:

Q9NYU2

Full Name:

UDP-glucose ceramide glucosyltransferase-like 1

Calculated MW:

1531 aa, 175 kDa

Observed MW:

170 kDa

Purification Method:

Protein A purification

CloneNo.:

3E8G10

Recommended Dilutions:

WB 1:5000-1:50000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

Human

Positive Controls:

WB : LNCaP cells, HeLa cells, HepG2 cells, Jurkat cells, human placenta tissue

## Background Information

UDP-glucose:glycoprotein glucosyltransferase 1 (UGCGL1) is a central quality control gatekeeper in the mammalian endoplasmic reticulum (ER) and serves as a folding sensor in the calnexin/calreticulin glycoprotein quality control cycle (PMID: 28425917). UGCGL1 acts as a checkpoint in the quality control of the MHC class I antigen presentation pathway (PMID: 21383159). Western blot analysis detected UGCGL1 at an apparent molecular mass of 170 kDa.

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

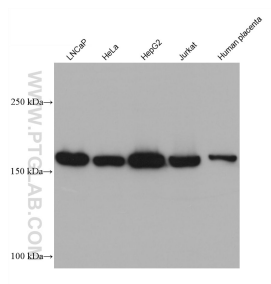
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68462-1-Ig (UGCGL1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.