

For Research Use Only

UGCGL1 Monoclonal antibody

Catalog Number: 68462-1-Ig



Basic Information

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|--|--|---|
| Catalog Number: 68462-1-Ig | GenBank Accession Number: BC041098 | Purification Method: Protein A purification |
| Size: 150ul , Concentration: 1000 µg/ml by Nanodrop; | GeneID (NCBI): 56886 | CloneNo.: 3E8G10 |
| Source: Mouse | Full Name: UDP-glucose ceramide glucosyltransferase-like 1 | Recommended Dilutions: WB 1:5000-1:50000 |
| Isotype: IgG2b | Calculated MW: 1531 aa, 175 kDa | |
| Immunogen Catalog Number: AG5940 | Observed MW: 170 kDa | |

Applications

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| Tested Applications: WB, ELISA | Positive Controls: WB : LNCaP cells, HeLa cells, HepG2 cells, Jurkat cells, human placenta tissue |
| Species Specificity: Human | |

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

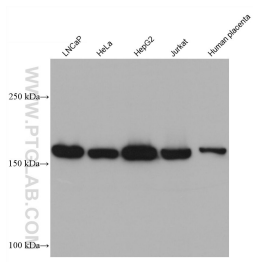
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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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.