

For Research Use Only

UGCG Polyclonal antibody

Catalog Number:33967-1-AP



Basic Information

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| Catalog Number: 33967-1-AP | GenBank Accession Number: BC038711 | Purification Method: Antigen affinity purification |
| Size: 150ul , Concentration: 320 µg/ml by Nanodrop; | GeneID (NCBI): 7357 | Recommended Dilutions: WB: 1:1000-1:4000 |
| Source: Rabbit | UNIPROT ID: Q16739 | |
| Isotype: IgG | Full Name: UDP-glucose ceramide glucosyltransferase | |
| Immunogen Catalog Number: AG40976 | Calculated MW: 394 aa, 45 kDa | |
| | Observed MW: 45-50 kDa | |

Applications

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| Tested Applications: WB, ELISA | Positive Controls: WB : HEK-293 cells, |
| Species Specificity: human | |

Background Information

UGCG, also named as GCS and GLCT-1, belongs to the glycosyltransferase 2 family. It catalyzes the first glycosylation step in glycosphingolipid biosynthesis, the transfer of glucose to ceramide. UGCG may also serve as a "flippase". It is up-regulated at the transcriptional level during keratinocyte differentiation. UGCG is a membrane protein. The calculated MW is 45 kDa. But UGCG is a membrane protein with glycosylation and ubiquitination modifications, resulting in the detection of a weak 75 kDa band.

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

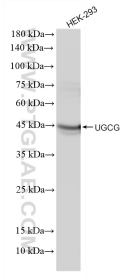
For technical support and original validation data for this product please contact:

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 33967-1-AP (UCGG antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.