

For Research Use Only

# UGCG Polyclonal antibody

Catalog Number: 33967-1-AP



## Basic Information

Catalog Number:

33967-1-AP

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG40976

GenBank Accession Number:

BC038711

GeneID (NCBI):

7357

UNIPROT ID:

Q16739

Full Name:

UDP-glucose ceramide  
glucosyltransferase

Calculated MW:

394 aa, 45 kDa

Observed MW:

45-50 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:1000-1:4000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : HEK-293 cells,

## Background Information

UGCG, also named as GCS and GLCT-1, belongs to the glucosyltransferase 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

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

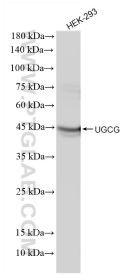
T: 4006900926

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

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## Selected Validation Data



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