

## Ceramide Glycosyltransferase. Rabbit Polyclonal Antibody , Human

Glucosylceramide synthase, GCS, UDP glucose N-acylsphingosine D glucosyltransferase, GLCT-1, UDP glucose ceramide glucosyltransferase

### BACKGROUND

May serve as a flippase as well as a glucosyltransferase that transfers glucose to ceramide. It Catalyzes; UDP-glucose + N-acylsphingosine = UDP + D-glucosyl-N-acylsphingosine. Ceramide Glycosyltransferase is the first step in the Glycosphingolipic synthesis; first glycosylation step. Glucosylceramide synthase (GlcT) and lactosylceramide synthase (GalT) are key enzymes for the synthesis of major glycosphingolipids of vertebrates.

### ORDERING INFORMATION

**CATALOG NUMBER**  
X1700P

**SIZE**  
100 µg

**FORM**  
Unconjugated

**HOST/CLONE**  
Rabbit

**FORMULATION**  
Provided as solution in phosphate buffered saline with 0.08% sodium azide

**CONCENTRATION**  
1 mg/ml

**ISOTYPE**  
N/A

**APPLICATIONS**  
Western Blot, ELISA

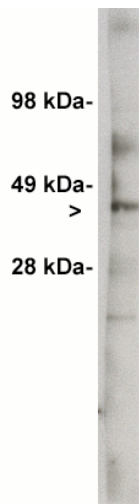
### IMMUNOGEN

Synthetic peptide derived from human ceramide glucosyltransferase protein.

### SPECIES REACTIVITY

Human

Legend: Western blot analysis using Ceramide Glycosyltransferase antibody (X1700P) on 7 ug of rat kidney lysate. Antibody used at 1 ug/ml. Visualized using Pierce West Femto substrate system. Secondary used at 1:75k dilution. Exposure for 60 seconds.



**For research use only. Not for use in human diagnostics or therapeutics.**

**POSITIVE CONTROL/TISSUE EXPRESSION**

Found in all tissues examined.

**COMMENTS**

Antibody can be used for Western blotting (5-10 $\mu$ g/ml) and ELISA. Other applications not yet tested. Optimal concentration should be evaluated by serial dilutions.

**SHIP CONDITIONS**

Ship at ambient temperature, freeze upon arrival

**STORAGE CUSTOMER**

Product should be stored at -20°C. Aliquot to avoid freeze/thaw cycles

**STABILITY**

Products are stable for one year from purchase when stored properly

**REFERENCES**

1. "Expression cloning of a cDNA for human ceramide glucosyltransferase that catalyzes the first glycosylation step of glycosphingolipid synthesis."; Ichikawa S., Sakiyama H., Suzuki G., Hidari K.I.-P., Hirabayashi Y.; Proc. Natl. Acad. Sci. U.S.A. 93:4638-4643(1996).

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