
Ceramide glucosyltransferase Rabbit pAb

Catalog Number: bs-8593R

Target Protein: Ceramide glucosyltransferase

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500)

Reactivity: Human, Mouse, Rat (predicted:Rabbit, Pig, Cow, Chicken, Dog, Horse)

Predicted MW: 45 kDa

Subcellular Cell membrane ,Cytoplasm

Locations:

Entrez Gene: 7357

Swiss Prot: Q16739

Source: KLH conjugated synthetic peptide derived from human UGCG: 31-98/394.

Purification: affinity purified by Protein A

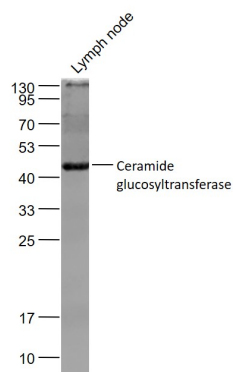
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

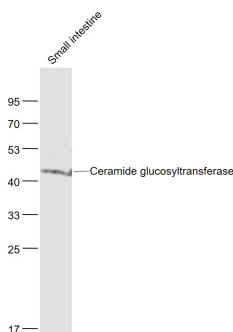
Background: bs-0701P is one synthetic peptide derived from human GCS.

GCS (glucosylceramide synthase) may serve as a 'flippase' as well as a glucosyltransferase that transfers glucose to ceramide. Able to use UDP-galactose to synthesize galactosylceramide with 10% of efficiency with which it utilizes UDP-glucose. [Catalytic activity] UDP-glucose + N-acylsphingosine = UDP + D-glucosyl-N-acylsphingosine. Lipid metabolism; sphingolipid metabolism. [Subcellular location] Endoplasmic reticulum membrane; Multi-pass membrane protein. Belongs to the glucosyltransferase 2 family.

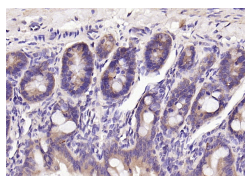
VALIDATION IMAGES



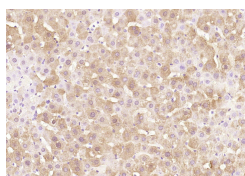
Sample: Lymph node (Mouse) Lysate at 40 ug Primary: Anti-Ceramide glucosyltransferase (bs-8593R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 45 kD
Observed band size: 45 kD



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Paraformaldehyde-fixed, paraffin embedded (rat small intestine); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Ceramide glucosyltransferase) Polyclonal Antibody, Unconjugated (bs-8593R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat liver); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Ceramide glucosyltransferase) Polyclonal Antibody, Unconjugated (bs-8593R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

PRODUCT SPECIFIC PUBLICATIONS

[IF=5.923] Pietro Barbacini. et al. Novel Insight into the Serum Sphingolipid Fingerprint Characterizing Longevity. Int J Mol Sci. 2022 Jan;23(5):2428 WB ; Human . 10.3390/ijms23052428

[IF=4.757] Tami Igarashi. et al. Horse-Derived Ceramide Accentuates Glucosylceramide Synthase and Ceramide Synthase 3 by Activating PPAR β and/or PPAR γ ; to Stimulate Ceramide Synthesis. BIOMEDICINES. 2023 Feb;11(2):548 WB ; Human . 36831084