

Ceramide glucosyltransferase Rabbit pAb

Catalog Number: bs-0701R

Target Protein: Ceramide glucosyltransferase

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500), Flow-Cyt (1µg/Test)

Reactivity: Human, Mouse (predicted:Rat, Cow)

Predicted MW: 44 kDa

Subcellular: Cell membrane ,Cytoplasm

Locations:

Entrez Gene: 7357

Swiss Prot: Q16739

Source: KLH conjugated synthetic peptide derived from human UGCG: 21-120/394.

Purification: affinity purified by Protein A

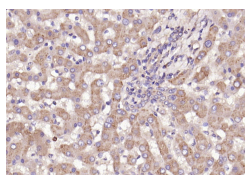
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

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

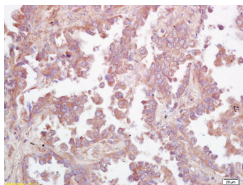
Background: bs-0701P is one synthetic peptide derived from human GCS.

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 glycosyltransferase 2 family.

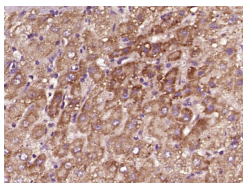
VALIDATION IMAGES



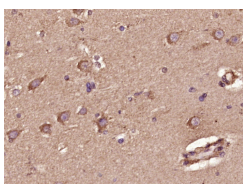
Paraformaldehyde-fixed, paraffin embedded (Human liver); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Ceramide glucosyltransferase) Polyclonal Antibody, Unconjugated (bs-0701R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



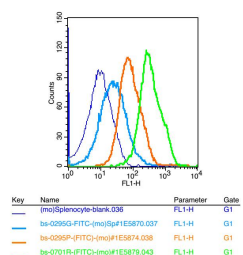
Tissue/cell: human lung carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-GCS/glucosylceramide synthase Polyclonal Antibody, Unconjugated(bs-0701R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Paraformaldehyde-fixed, paraffin embedded (Human liver cancer); 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-0701R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Human glioma); 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-0701R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Blank control: mouse splenocytes(blue) Isotype Control Antibody: Rabbit IgG(orange) ; Secondary Antibody: Goat anti-rabbit IgG-FITC(white blue), Dilution: 1:100 in 1 X PBS containing 0.5% BSA ; Primary Antibody Dilution: 1μl in 100 μL1X PBS containing 0.5% BSA(green).

PRODUCT SPECIFIC PUBLICATIONS

[IF=4.936] Wang et al. TBHQ Alleviated Endoplasmic Reticulum Stress-Apoptosis and Oxidative Stress by PERK-Nrf2 Crosstalk in Methamphetamine-Induced Chronic Pulmonary Toxicity. (2017) Oxid.Med.Cell.Longev. 2017:4310475 WB ; Rat . 28303170

[IF=1.785] Jiannan Liu. et al. Prognostic value of using glucosylceramide synthase and cytochrome P450 family 1 subfamily A1 expression levels for patients with triple-negative breast cancer following neoadjuvant chemotherapy. Exp Ther Med. 2021 Mar;21(3):1-1 IHC ; Human . 33603855

[IF=1.49] Chen, Baoan, et al. "Effect of D, L-threo-1-phenyl-2-decanoylamino-3-morpholino-1-propanol and tetrandrine on the reversion of multidrug resistance in K562/A02 cells." gy 16.1 (2011): 24-30.. 1064-1 Other ; ="" . 21269564