

**bs-0701R****[ Primary Antibody ]****Ceramide glucosyltransferase Rabbit pAb****BioSS**  
**ANTIBODIES**

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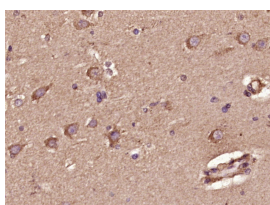
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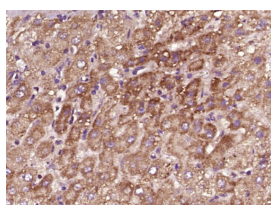
400-901-9800

**— DATASHEET —**

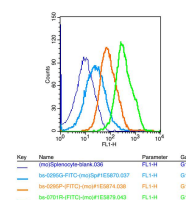
<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> IHC-P (1:100-500) <b>IHC-F</b> (1:100-500) <b>IF</b> (1:100-500) <b>Flow-Cyt</b> (1μg/Test)  <b>Reactivity:</b> Human, Mouse (predicted: Rat, Cow)  <b>Predicted MW.:</b> 44 kDa  <b>Subcellular Location:</b> Cell membrane ,Cytoplasm
<b>Clonality:</b> Polyclonal		
<b>GeneID:</b> 7357	<b>SWISS:</b> Q16739	
<b>Target:</b> Ceramide glucosyltransferase		
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human UGCG: 21-120/394.		
<b>Purification:</b> affinity purified by Protein A		
<b>Concentration:</b> 1mg/ml		
<b>Storage:</b> 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.		
<b>Background:</b> 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 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.



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.



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).

**— SELECTED CITATIONS —**

- **[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

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

- **[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 ;="".  
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