

bs-20747R**[Primary Antibody]****GPR49/LGR5 Rabbit pAb****Bioss**
ANTIBODIES

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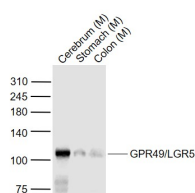
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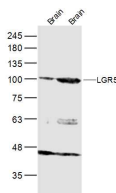
400-901-9800

DATASHEET

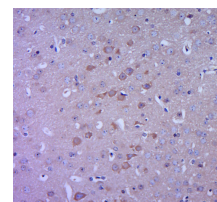
Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Flow-Cyt (1µg/Test)
Clonality: Polyclonal		
GeneID: 8549	SWISS: O75473	
Target: GPR49/LGR5		
Immunogen: KLH conjugated synthetic peptide derived from human GPR49/LGR5: 211-310/907.		
Purification: affinity purified by Protein A		Reactivity: Human, Mouse, Rat
Concentration: 1mg/ml		Predicted MW.: 98 kDa
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: The protein encoded by this gene is a leucine-rich repeat-containing receptor (LGR) and member of the G protein-coupled, 7-transmembrane receptor (GPCR) superfamily. The encoded protein is a receptor for R-spondins and is involved in the canonical Wnt signaling pathway. This protein plays a role in the formation and maintenance of adult intestinal stem cells during postembryonic development. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2015]		Subcellular Location: Cell membrane

VALIDATION IMAGES

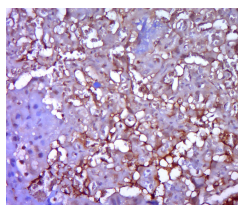
Sample: Lane 1: Cerebrum (Mouse) Lysate at 40 ug
 Lane 2: Stomach (Mouse) Lysate at 40 ug
 Lane 3: Colon (Mouse) Lysate at 40 ug
 Primary: Anti-GPR49/LGR5 (bs-20747R) at 1/1000 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
 Predicted band size: 100 kD
 Observed band size: 105 kD



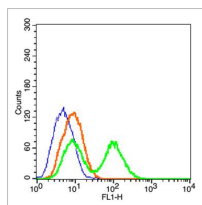
Sample: Brain (Mouse) Lysate at 40 ug
 Primary: Anti-LGR5 (bs-20747R) at 1/300 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
 Predicted band size: 98 kD
 Observed band size: 100 kD



Paraformaldehyde-fixed, paraffin embedded (mouse brain tissue); 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 (GPR49) Polyclonal Antibody, Unconjugated (bs-20747R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (mouse placenta tissue); 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;



Blank control (blue line): U251(fixed with pre-warmed 4% paraformaldehyde for 30min at 37°C)
 Primary Antibody (green line): Rabbit Anti-GPR49 antibody (bs-20747R), Dilution: 1µg / 10⁶ cells;
 Isotype Control Antibody (orange line): Rabbit IgG .
 Secondary Antibody : Goat anti-

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

Antibody incubation with (GPR49) Polyclonal Antibody, Unconjugated (bs-20747R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.

rabbit IgG-FITC,Dilution: 1µg /test.

— SELECTED CITATIONS —

- **[IF=16.6]** Qi Yadong. et al. Heat-inactivated Bifidobacterium adolescentis ameliorates colon senescence through Paneth-like-cell-mediated stem cell activation. NAT COMMUN. 2023 Sep;14(1):1-19 IF, WB ;Mouse. 37777508
- **[IF=5.7]** Jinmiao Tian. et al. QPH-FR: A Novel Quinoa Peptide Enhances Chemosensitivity by Targeting Leucine-Rich Repeat-Containing G Protein-Coupled Receptor 5 in Colorectal Cancer. J AGR FOOD CHEM. 2024;XXXX(XXX):XXX-XXX IP, WB ;Human. 39047262
- **[IF=6.208]** Ling Ding. et al. Bufalin Inhibits Tumorigenesis, Stemness, and Epithelial–Mesenchymal Transition in Colorectal Cancer through a C-Kit/Slug Signaling Axis. INT J MOL SCI. 2022 Jan;23(21):13354 WB ;Human. 36362141
- **[IF=6.1]** Yingcong Yu. et al. β-Nicotinamide Mononucleotide Supplementation Prolongs The Lifespan Of Premature Ageing Mice And Protects Colon Function In Ageing Mice. FOOD FUNCT. 2024 Feb;; IF, WB ;Mouse. 38445897
- **[IF=5.076]** Liu Yahong. et al. Preclinical Evaluation of Safety, Pharmacokinetics, Efficacy, and Mechanism of Radioprotective Agent HL-003. Oxid Med Cell Longev. 2021;2021:6683836 IHC ;Mouse. 33688393