

bs-20746R**[Primary Antibody]****GPR49/LGR5 Rabbit pAb****BioSS**
ANTIBODIES

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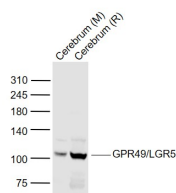
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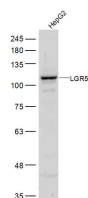
400-901-9800

— DATASHEET —

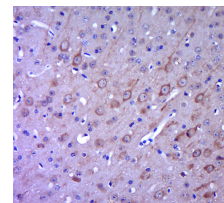
Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500)
Clonality: Polyclonal		
GeneID: 8549	SWISS: O75473	
Target: GPR49/LGR5		
Immunogen: KLH conjugated synthetic peptide derived from human GPR49/LGR5: 331-430/907.		
Purification: affinity purified by Protein A		Reactivity: Human, Mouse, Rat (predicted: Pig, Sheep, Cow)
Concentration: 1mg/ml		
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]		Predicted MW.: 98 kDa Subcellular Location: Cell membrane

— VALIDATION IMAGES —

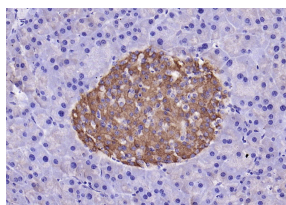
Sample: Lane 1: Cerebrum (Mouse) Lysate at 40 ug
Lane 1: Cerebrum (Rat) Lysate at 40 ug
Primary: Anti-GPR49/LGR5 (bs-20746R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 100 kD
Observed band size: 105 kD



Sample: HepG2(Human) Cell Lysate at 40 ug
Primary: Anti-LGR5 (bs-20476R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 98 kD
Observed band size: 115 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-20746R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat pancreas); 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

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

incubation with (GPR49 LGR5) Polyclonal
Antibody, Unconjugated (bs-20746R) at 1:200
overnight at 4°C, followed by operating
according to SP Kit(Rabbit) (sp-0023)
instructions and DAB staining.

— SELECTED CITATIONS —

- **[IF=7.9]** Zhen-Ye Luo. et al. Coptidis Rhizoma processed with Evodia Rutaecarpa improves the effect on ulcerative colitis by increasing intestinal energy metabolites alpha-ketoglutarate and Lactobacillus reuteri. PHYTOMEDICINE. 2023 Sep;;155115 IF ;Mouse. 37801896
- **[IF=2.792]** Yan, Wei. et al. Neural, adipocyte and hepatic differentiation potential of primary and secondary hair follicle stem cells isolated from Arbas Cashmere goats. BMC VET RES. 2022 Dec;18(1):1-18 IF, WB ;Goat. 35971123