

bs-13507R**[Primary Antibody]****GPR84 Rabbit pAb****Bioss**
ANTIBODIES

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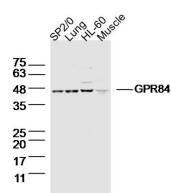
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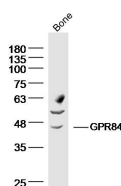
400-901-9800

DATASHEET

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		
GeneID: 53831	SWISS: Q9NQS5	
Target: GPR84		
Immunogen: KLH conjugated synthetic peptide derived from human GPCR EX33/GPR84: 1-100/396.		
Purification: affinity purified by Protein A		Reactivity: Human, Mouse, Rat (predicted: Sheep, Cow, Dog, Horse, Monkey)
Concentration: 1mg/ml		Predicted MW.: 44 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.		Subcellular Location: Cell membrane
Background: G protein-coupled receptors (GPCRs), also designated seven transmembrane (7TM) receptors and heptahelical receptors, are a protein family which interact with G proteins (heterotrimeric GTPases) to synthesize intracellular second messengers such as diacylglycerol, cyclic AMP, inositol phosphates, and calcium ions. Their diverse biological functions range from vision and olfaction to neuronal and endocrine signaling and are involved in many pathological conditions. G protein receptor 84 (GPR84), a member of the GCPR 1 family, is an orphan GCPR expressed in bone marrow, brain, heart, muscle, colon, thymus, spleen, kidney, liver, placenta, intestine, lung and peripheral blood leukocytes. In activated T cells, GPR84 regulates early interleukin-4 (IL-4) gene expression		

VALIDATION IMAGES

Sample: SP2/0 (mouse) Cell Lysate at 40 ug
Lung (mouse) Lysate at 40 ug HL-60 (human) Cell Lysate at 40 ug Muscle (mouse) Lysate at 40 ug
Primary: Anti- GPR84 (bs-13507R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 44kD Observed band size: 44 kD



Sample: bone (Rat) Lysate at 40 ug
Primary: Anti- GPR84 (bs-13507R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 44kD Observed band size: 44 kD

SELECTED CITATIONS

- **[IF=15.9]** Xuenan Sun. et al. GPR84-mediated signal transduction effects metabolic function by promoting brown adipocyte activity. J CLIN INVEST. 2023 Oct;; IF ;Mouse. 37856216
- **[IF=10.9]** Jinyan Liu. et al. MDSCs-derived GPR84 induces CD8+ T-cell senescence via p53 activation to suppress the antitumor response. J IMMUNOTHER CANCER. 2023 Nov;11(11):e007802 WB,FCM ;Mouse. 38016719
- **[IF=5.893]** Yongxiang Li. et al. Food reward depends on TLR4 activation in dopaminergic neurons. Pharmacol Res. 2021 Jul;169:105659 WB ;Mouse. 33971268

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

- **[IF=5.561]** Weijie Zhao. et al. Mannan Oligosaccharides Promoted Skeletal Muscle Hypertrophy through the Gut Microbiome and Microbial Metabolites in Mice. FOODS. 2023 Jan;12(2):357 WB ;Mouse. 36673449