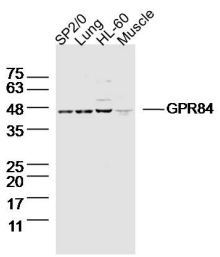
www.bioss.com.cn
sales@bioss.com.cn
techsupport@bioss.com.cn
400-901-9800

GPR84 Rabbit pAb

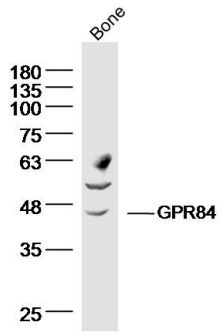
Catalog Number:	bs-13507R
Target Protein:	GPR84
Concentration:	1mg/ml
Form:	Liquid
Host:	Rabbit
Clonality:	Polyclonal
Isotype:	IgG
Applications:	WB (1:500-2000)
Reactivity:	Human, Mouse, Rat (predicted:Sheep, Cow, Dog, Horse, Monkey)
Predicted MW:	44 kDa
Entrez Gene:	53831
Swiss Prot:	Q9NQS5
Source:	KLH conjugated synthetic peptide derived from human GPCR EX33/GPR84: 1-100/396.
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:	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

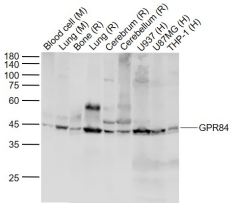


Sample: SP2/0 (mouse)Cell Lysate at 40 ug Lung(mouse) Lysate at 40 ug HL-60 (human)Cell Lysate at 40 ug Muscle (mouse) Lysate at 40 ug Primary: Anti- GPR84 (bs-13507R)at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 44kD Observed band size: 44 kD

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



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



Sample: Lane 1: Blood cell (Mouse) Lysate at 40 ug Lane 2: Lung (Mouse) Lysate at 40 ug Lane 3: Bone (Rat) Lysate at 40 ug Lane 4: Lung (Rat) Lysate at 40 ug Lane 5: Cerebrum (Rat) Lysate at 40 ug Lane 6: Cerebellum (Rat) Lysate at 40 ug Lane 7: U937 (Human) Cell Lysate at 30 ug Lane 8: U87MG (Human) Cell Lysate at 30 ug Lane 9: THP-1 (Human) Cell Lysate at 30 ug Primary: Anti-GPR84 (bs-13507R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 44 kD Observed band size: 44 kD

PRODUCT SPECIFIC PUBLICATIONS

[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

[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

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