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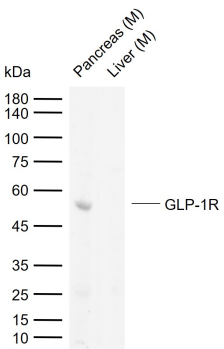
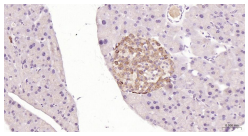
GLP-1R Rabbit pAb

Catalog Number:	bs-1559R
Target Protein:	GLP-1R
Concentration:	1mg/ml
Form:	Liquid
Host:	Rabbit
Clonality:	Polyclonal
Isotype:	IgG
Applications:	WB (1:500-2000), IHC-P (1:200-1000), IHC-F (1:200-1000), IF (1:200-1000)
Reactivity:	Human, Mouse, Rat
Predicted MW:	51 kDa
Entrez Gene:	25051
Swiss Prot:	P32301
Source:	KLH conjugated synthetic peptide derived from rat GLP-1R: 101-200/463.
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:	GLP1R is a receptor for glucagon-like peptide 1. The activity of this receptor is mediated by G proteins which activate adenylyl cyclase.It has been suggested that this protein influences the feelings of satiety or hunger, sensation of glucose levels, control of glucagon sensitivity of islets, and non insulin-dependent diabetes mellitus. GLP1R is believed to be expressed in human pancreas,lung, brain, stomach, kidney and heart. ESTs have been isolated from skin and kidney libraries.

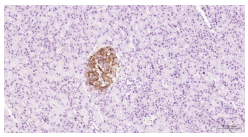
VALIDATION IMAGES



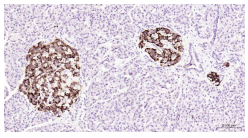
Sample: Lane 1: Mouse Pancreas tissue lysates Lane 2: Mouse Liver tissue lysates(negative control) Primary: Anti-GLP-1R (bs-1559R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 51 kDa Observed band size: 55 kDa



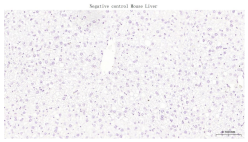
Paraformaldehyde-fixed, paraffin embedded Mouse Pancreas; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with GLP-1R Polyclonal Antibody, Unconjugated (bs-1559R) at 1:800 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



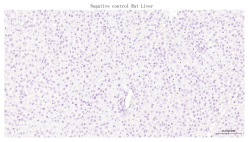
Paraformaldehyde-fixed, paraffin embedded Rat Pancreas; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with GLP-1R Polyclonal Antibody, Unconjugated (bs-1559R) at 1:800 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Human Pancreas; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with GLP-1R Polyclonal Antibody, Unconjugated (bs-1559R) at 1:800 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



(Negative control) Paraformaldehyde-fixed, paraffin embedded Mouse Liver; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with GLP-1R Polyclonal Antibody, Unconjugated (bs-1559R) at 1:800 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



(Negative control) Paraformaldehyde-fixed, paraffin embedded Rat Liver; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with GLP-1R Polyclonal Antibody, Unconjugated (bs-1559R) at 1:800 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.

PRODUCT SPECIFIC PUBLICATIONS

[IF=18.9] Zihao He. et al. Enhanced bone regeneration via endochondral ossification using Exendin-4-modified mesenchymal stem cells. BIOACT MATER. 2024 Apr;34:98 WB ; Rat . 10.1016/j.bioactmat.2023.12.007

[IF=10.7] Suwen Liu. et al. Wheat starch-Lonicera caerulea berry polyphenols complex regulates blood glucose and improves intestinal flora in type 2 diabetic mice. CARBOHYD POLYM. 2025 Mar;351:123061 WB ; Mouse . 10.1016/j.carbpol.2024.123061

[IF=5.7] Jun-Xia Wang. et al. Lactobacillus reuteri-Enriched Eicosatrienoic Acid Regulates Glucose Homeostasis by Promoting GLP-1 Secretion to Protect Intestinal Barrier Integrity. J AGR FOOD CHEM. 2024;XXXX(XXX):XXX-XXX WB ; Mouse . 39680859

[IF=5.64] Yuping Chen. et al. The Herb Pair Radix Rehmanniae and Cornus Officinalis Attenuated Testicular Damage in Mice With Diabetes Mellitus Through Butyric Acid/Glucagon-Like Peptide-1/Glucagon-Like Peptide-1 Receptor Pathway Mediated by Gut Microbiota. Front Microbiol. 2022 Feb 22;13:831881 IF,WB ; Mouse . 35273587

[IF=5.682] Haoqiang Zhang. et al. Glucagon-like peptide-1 attenuated carboxymethyl lysine induced neuronal apoptosis via peroxisome proliferation activated receptor-γ. Aging-Us. 2021 Jul 31; 13(14): 19013–19027 WB ; Rat . 34326274