

**bs-1559R****[ Primary Antibody ]****GLP-1R Rabbit pAb****Bioss**  
**ANTIBODIES**

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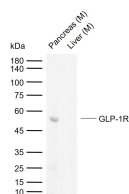
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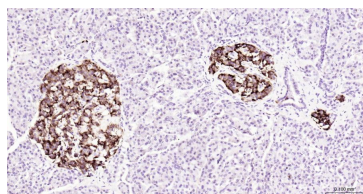
400-901-9800

**— DATASHEET —**

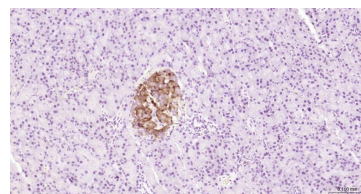
<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> <b>WB</b> (1:500-2000) <b>IHC-P</b> (1:200-1000) <b>IHC-F</b> (1:200-1000) <b>IF</b> (1:200-1000)  <b>Reactivity:</b> Human, Mouse, Rat  <b>Predicted MW.:</b> 51 kDa  <b>Subcellular Location:</b> Cell membrane ,Cytoplasm
<b>Clonality:</b> Polyclonal		
<b>GeneID:</b> 25051	<b>SWISS:</b> P32301	
<b>Target:</b> GLP-1R		
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from rat GLP-1R: 101-200/463. < Extracellular >		
<b>Purification:</b> affinity purified by Protein A		
<b>Concentration:</b> 1mg/ml		
<b>Storage:</b> 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.		
<b>Background:</b> 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 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.



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.

**— SELECTED CITATIONS —**

- **[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=11.4]** Chiara Cencioni. et al. The GLP-1R agonist semaglutide reshapes pancreatic cancer associated fibroblasts reducing collagen proline hydroxylation and favoring T lymphocyte infiltration. *JOURNAL OF EXPERIMENTAL & CLINICAL CANCER RESEARCH.* 2025 Jan 20;44(1):18. Western blot ;Mouse. 39828692
- **[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=5.64]** 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

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

Mediated by Gut Microbiota. Front Microbiol. 2022 Feb 22;13:831881 IF, WB ;Mouse. 35273587

- **[IF=5.7]** Shan Y et al. The glucagon-like peptide-1 receptor agonist reduces inflammation and blood-brain barrier breakdown in an astrocyte-dependent manner in experimental stroke. J Neuroinflammation. 2019 Nov 28;16(1):242. IF ;Rat. 31779652