# bs-3796R

## [ Primary Antibody ]

# Bioss

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# Glucagon Rabbit pAb

- DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

**GenelD:** 2641 **SWISS:** P01275

Target: Glucagon

Immunogen: KLH conjugated synthetic peptide derived from human Glucagon

(HSQGTFTSDYSKYLDSRRAQDFVQWLMNT): 53-81/180.

Purification: affinity purified by Protein A

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: Glucagon plays a key role in glucose metabolism and homeostasis.

Regulates blood glucose by increasing gluconeogenesis and decreasing glycolysis. A counterregulatory hormone of insulin, raises plasma glucose levels in response to insulin-induced hypoglycemia. Plays an important role in initiating and maintaining hyperglycemic conditions in diabetes.

**Applications: IHC-P** (1:100-500)

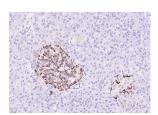
**IHC-F** (1:100-500) **IF** (1:100-500)

Reactivity: Human, Mouse, Rat

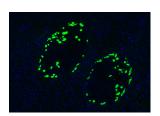
Predicted 3.3/18 kDa

Subcellular Location: Secreted

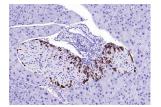
### VALIDATION IMAGES



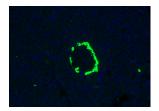
Paraformaldehyde-fixed, paraffin embedded (human pancreas); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Glucagon) Polyclonal Antibody, Unconjugated (bs-3796R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat pancreas); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Glucagon) Polyclonal Antibody, Unconjugated (bs-3796R) at 1:300 overnight at 4°C, followed by a conjugated Goat Anti-Rabbit IgG antibody (YF488) for 90 minutes, and DAPI



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 incubation with (Glucagon) Polyclonal Antibody, Unconjugated (bs-3796R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (mouse pancreas); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Glucagon) Polyclonal Antibody, Unconjugated (bs-3796R) at 1:500 overnight at 4°C, followed by a conjugated Goat Anti-Rabbit IgG antibody (YF488) for 90 minutes, and DAPI for nuclei staining.

### - SELECTED CITATIONS -

- [IF=4.545] Dong Yan. et al. Anemarrhena asphodeloides modulates gut microbiota and restores pancreatic function in diabetic rats. Biomed Pharmacother. 2021 Jan;133:110954 IF,IHC; Rat. 33378992
- [IF=4.5] Abhijit Sahu. et al. Elucidating the therapeutic efficacy of polyherbal formulation for the management of diabetes through endogenous pancreatic β-cell regeneration.. BIOORGANIC CHEMISTRY. 2025 Apr: 157:108270. IHC; Rat. 39970755
- [IF=3.738] Tong Su. et al. MiR-34a-5p and miR-452-5p: The Novel Regulators of Pancreatic Endocrine Dysfunction in Diabetic Zucker Rats?. Int J Med Sci. 2021; 18(14): 3171–3181 IF; Rat. 34400887
- [IF=3.7] Zhongyi Zhang. et al. Qinlian Hongqu Decoction Modulates FXR/TGR5/GLP-1 Pathway to Improve Insulin Resistance in NAFLD Mice: Bioinformatics and Experimental Study. ACS OMEGA. 2024;9(45):45447–45466 IF,WB;Mouse. 39554433
- [IF=3.23] Sun, Qianqian, et al. "Factors that Affect Pancreatic Islet Cell Autophagy in Adult Rats: Evaluation of a Calorie-Restricted Diet and a High-Fat Diet." PLoS ONE 11.3 (2016): e0151104. IHC; Rat. 26963814