bs-3796R **[Primary Antibody]**

Glucagon Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 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.

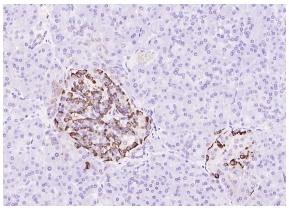
Applications: **IHC-P** (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)

Reactivity: Human, Mouse, Rat

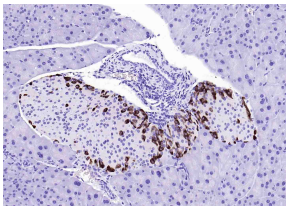
Predicted MW.: 3.3/18 kDa

Subcellular Location: Secreted

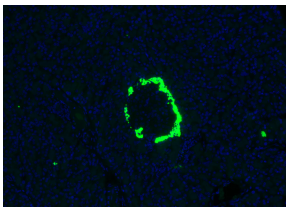
VALIDATION IMAGES



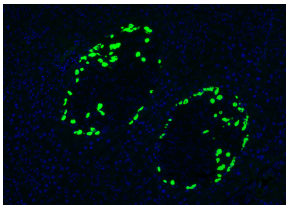
Paraformaldehyde-fixed, paraffin embedded (human pancreas); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Glucagon) Polyclonal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



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) instructionsand 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.



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

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