

**bs-3945R****[ Primary Antibody ]**

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## Glucagon Receptor Rabbit pAb

### DATASHEET

**Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**GeneID:** 2642**SWISS:** P47871**Target:** Glucagon Receptor**Immunogen:** KLH conjugated synthetic peptide derived from human Glucagon Receptor: 11-110/477. < Extracellular >**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:** The physiologic effects of glucagon are mediated through the glucagon receptor, a member of the superfamily of receptors characterized by a 7-transmembrane domain structure and by their coupling via GTP-binding proteins (G proteins) to adenylyl cyclase. The glucagon receptor has been reported to be expressed in liver and adipose, but not in adrenal medulla. ESTs have been isolated from liver/spleen and kidney libraries.

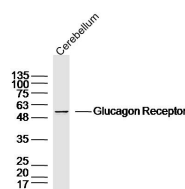
**Applications:** WB (1:500-2000)**IHC-P** (1:100-500)**IHC-F** (1:100-500)**IF** (1:100-500)**Flow-Cyt** (1µg/Test)

**Reactivity:** Human, Mouse, Rat  
(predicted: Pig, Cow, Chicken, Dog, GuineaPig)

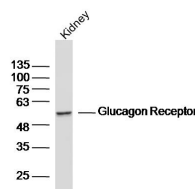
**Predicted MW.:** 51 kDa

**Subcellular Location:** Cell membrane

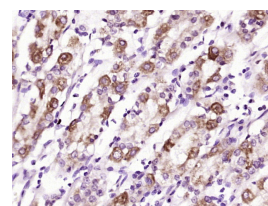
### VALIDATION IMAGES



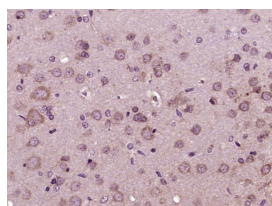
Sample: Cerebellum (Mouse) Lysate at 40 ug  
Primary: Anti-Glucagon Receptor (bs-3945R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 51 kD Observed band size: 51 kD



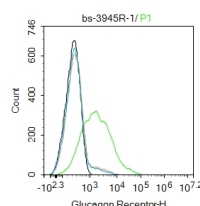
Sample: Kidney (Mouse) Lysate at 40 ug Primary: Anti-Glucagon Receptor(bs-3945R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 51kD Observed band size: 51kD



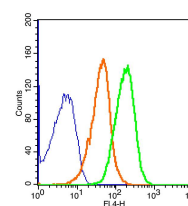
Paraformaldehyde-fixed, paraffin embedded (human stomach tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Glucagon Receptor) Polyclonal Antibody, Unconjugated (bs-3945R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat brain tissue); 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 Receptor) Polyclonal



Blank control: HepG2. Primary Antibody (green line): Rabbit Anti-Glucagon Receptor antibody (bs-3945R) Dilution: 1ug/Test; Secondary Antibody : Goat anti-rabbit IgG-AF488 Dilution: 0.5ug/Test. Protocol The cells were incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room



Blank control(blue): Molt-4 Cells(fixed with 2% paraformaldehyde (10 min)). Primary Antibody: Rabbit Anti-Glucagon Receptor/AF647 Conjugated antibody (bs-3945R/AF647), Dilution: 1µg in 100 µL 1X PBS containing 0.5% BSA; Isotype Control Antibody: Rabbit IgG/AF647(orange), used under the same

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

Antibody, Unconjugated (bs-3945R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed. conditions.

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## — SELECTED CITATIONS —

- **[IF=5.279]** Tao Wu. et al. Lactobacillus rhamnosus LRa05 Ameliorate Hyperglycemia through a Regulating Glucagon-Mediated Signaling Pathway and Gut Microbiota in Type 2 Diabetic Mice. J Agr Food Chem. 2021;XXXX(XXX):XXX-XXX WB ;Mouse. 34340304
- **[IF=3.73]** Rafacho, Alex, et al. "Pancreatic Alpha-Cell Dysfunction Contributes to the Disruption of Glucose Homeostasis and Compensatory Insulin Hypersecretion in Glucocorticoid-Treated Rats." PLOS ONE 9.4 (2014): e93531. IHC ;="Rat". 24705399