

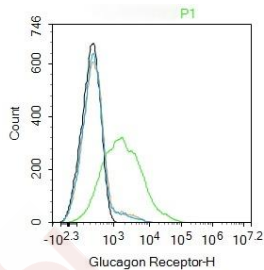
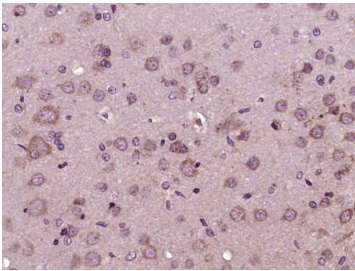
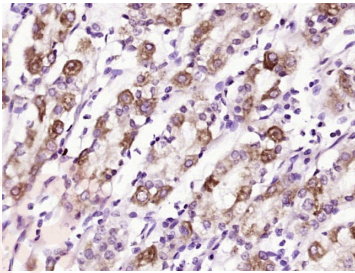
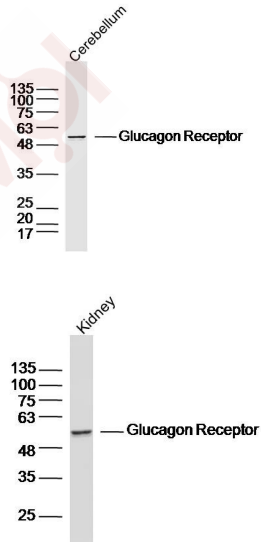
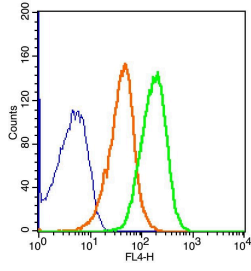
Anti-GCGR Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human, Mouse, Rat (predicted: Chicken, Dog, Pig, Cow, Guinea Pig)
Molecular Weight:	Theoretical: 51 kDa. Actual: 51 kDa.
Purification:	Protein A purified

Applications

1. Blank control (blue): Molt-4 Cells (fixed with 2% paraformaldehyde (10 min)). Primary Antibody: Rabbit Anti-Glucagon Receptor/AF647 Conjugated antibody (TMAB-00753/AF647), Dilution: 1 µg in 100 µL 1X PBS containing 0.5% BSA; Isotype Control Antibody: Rabbit IgG/AF647 (orange), used under the same conditions.
2. Sample: Cerebellum (Mouse) Lysate at 40 µg
 Primary: Anti-Glucagon Receptor (TMAB-00753) at 1/300 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
 Predicted band size: 51 kDa
 Observed band size: 51 kDa
3. Sample: Kidney (Mouse) Lysate at 40 µg
 Primary: Anti-Glucagon Receptor (TMAB-00753) at 1/300 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
 Predicted band size: 51 kDa
 Observed band size: 51 kDa
4. Paraformaldehyde-fixed, paraffin embedded (human stomach tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (Glucagon Receptor) Polyclonal Antibody, Unconjugated (TMAB-00753) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.
5. Paraformaldehyde-fixed, paraffin embedded (rat brain tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (Glucagon Receptor) Polyclonal Antibody, Unconjugated (TMAB-00753) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.
6. Blank control: HepG2. Primary Antibody (green line): Rabbit Anti-Glucagon Receptor antibody (TMAB-00753)
 Dilution: 1 µg/Test;
 Secondary Antibody: Goat anti-rabbit IgG-AF488
 Dilution: 0.5 µg/Test.
 Protocol
 The cells were incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature.



Application: FCM,IF,IHC-Fr,IHC-P,WB

Recommended WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500; FCM: 1µg/Test

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: human Glucagon Receptor

Antigen Species: Human

Gene ID: 2642

Uniprot ID: P47871

Synonyms: Glucagon receptor;GL-R;GCGR

Biology Area: Integration of energy metabolism,Integration of energy,Cancer,GPCR,G Proteins

Research 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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