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GLP1R Rabbit pAb

Catalog No.: A8547 **8 Publications**

Basic Information

Observed MW
53kDa

Calculated MW
53kDa

Category
Primary antibody

Applications
WB,IF/ICC,ELISA

Cross-Reactivity
Mouse, Rat

Background

This gene encodes a 7-transmembrane protein that functions as a receptor for glucagon-like peptide 1 (GLP-1) hormone, which stimulates glucose-induced insulin secretion. This receptor, which functions at the cell surface, becomes internalized in response to GLP-1 and GLP-1 analogs, and it plays an important role in the signaling cascades leading to insulin secretion. It also displays neuroprotective effects in animal models. Polymorphisms in this gene are associated with diabetes. The protein is an important drug target for the treatment of type 2 diabetes and stroke. Alternative splicing of this gene results in multiple transcript variants.

Recommended Dilutions

WB	1:500 - 1:2000
IF/ICC	1:50 - 1:200
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
2740

Swiss Prot
P43220

Immunogen
Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms
GLP-1; GLP-1R; GLP-1-R; GLP1R

Contact

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Product Information

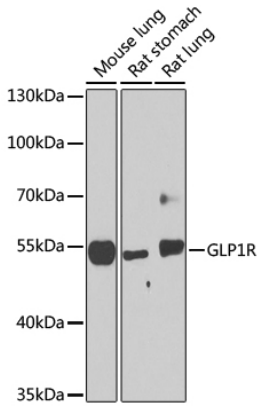
Source
Rabbit

Isotype
IgG

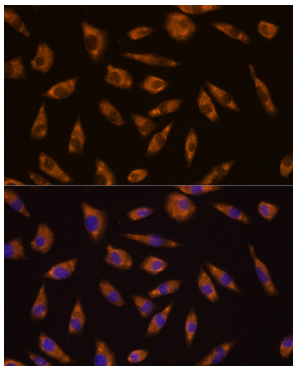
Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

Validation Data



Western blot analysis of various lysates using GLP1R Rabbit pAb (A8547) at 1:1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90s.



Immunofluorescence analysis of L929 cells using GLP1R Rabbit pAb (A8547) at dilution of 1:100. Blue: DAPI for nuclear staining.