

GLP1R Rabbit pAb

Catalog No.: A8547 **8 Publications**

Basic Information

Observed MW

53kDa

Calculated MW

53kDa

Category

Primary antibody

Applications

ELISA,WB,IF/ICC

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

Immunogen Information

Gene ID

2740

Swiss Prot

P43220

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-140 of human GLP1R (NP_002053.3).

Synonyms

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

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

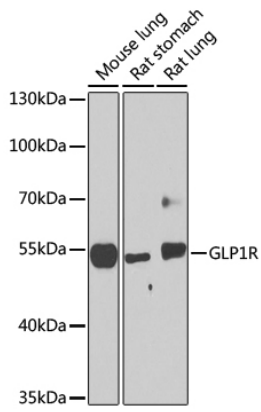
Affinity purification

Storage

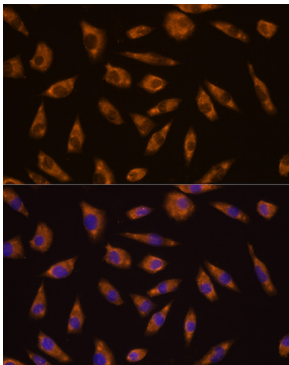
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

Validation Data



Western blot analysis of extracts of various cell lines, using GLP1R antibody (A8547) at 1:1000 dilution.
Secondary antibody: HRP 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 antibody (A8547) at dilution of 1:100. Blue: DAPI for nuclear staining.