

# Glut4 Rabbit Polyclonal Antibody

OPR4253

|                   |        |                      |                                   |
|-------------------|--------|----------------------|-----------------------------------|
| <b>Reactivity</b> | H,M,R  | <b>Storage</b>       | -20°C, Avoid freeze / thaw cycles |
| <b>Host</b>       | Rabbit | <b>Applications</b>  | WB; IHC; IF; ELISA                |
| <b>Isotype</b>    | IgG    | <b>Concentration</b> | 1 mg/mL                           |

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

## Images



Immunofluorescence analysis of A549. 1, primary antibody (red) was diluted at 1:200 (4°C overnight). 2, Goat Anti Rabbit IgG (H&L) - Alexa Fluor 594 secondary antibody was diluted at 1:1000 (room temperature, 50minutes).

## Immunogen Information

|                  |  |
|------------------|--|
| <b>Immunogen</b> | The antiserum was produced against synthesized peptide derived from the N-terminal region of human SLC2A4. AA range:21-70                |
| <b>Synonyms</b>  | SLC2A4; GLUT4; Solute carrier family 2, facilitated glucose transporter member 4; Glucose transporter type 4, insulin-responsive; GLUT-4 |

## Product Information

|                    |   |
|--------------------|---|
| <b>Observed MW</b> | 56kD  |
| <b>Buffer</b>      | PBS containing 50% glycerol, 0.5%BSA and 0.02% sodium azide.            |
| <b>Dilution</b>    | WB:-1/500-1/2000, IHC-p:- 1:100 - 300, ELISA:- 1/20000, IF:- 1:100 -300 |

Other applications have not been tested. Optimal dilutions/concentrations should be determined by the end user

## Background

This gene is a member of the solute carrier family 2 (facilitated glucose transporter) family and encodes a protein that functions as an insulin-regulated facilitative glucose transporter. In the absence of insulin, this integral membrane protein is sequestered within the cells of muscle and adipose tissue. Within minutes of insulin stimulation, the protein moves to the cell surface and begins to transport glucose across the cell membrane. Mutations in this gene have been associated with noninsulin-dependent diabetes mellitus (NIDDM).

## Research Use

For research use only, not for use in diagnostic procedure

## Legend

Applications: WB-Western Blot; IHC-Immunohistochemistry; IF-Immunofluorescence; IP-Immunoprecipitation; FC-Flow cytometry; ChIP-Chromatin Immunoprecipitation

Reactivity: H-Human; R-Rat; M-Mouse; Mk-Monkey; Dg-Dog; Ch-Chicken; Hm-Hamster; Rb-Rabbit; Sh- Sheep; Pg-Pig; Z- Zebrafish; X-Xenopus; C-Cow,Is-Insect,Ys- yeast.

Please contact Origin Diagnostics and Research for further assistance

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ISO 9001:2015

ISO 13485:2014