# GLUT4 Rabbit Polyclonal Antibody

Catalog No: #55268

Package Size: #55268-1 50ul #55268-2 100ul

Signalway Antibody
Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

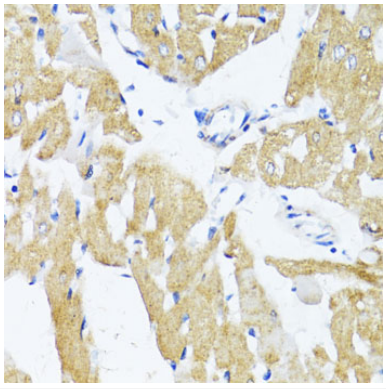
## Description

| | |
|---|---|
| Product Name | GLUT4 Rabbit Polyclonal Antibody |
| Host Species | Rabbit |
| Clonality | Polyclonal |
| Isotype | IgG |
| Purification | Affinity purification |
| Applications | WB,IHC,IF |
| Species Reactivity | Human,Mouse,Rat |
| Immunogen Description | A synthetic peptide of human GLUT4 (NP_001033.1). |
| Conjugates | Unconjugated |
| Other Names | SLC2A4;GLUT4 |
| Accession No. | Swiss Prot:P14672GeneID:6517 |
| Calculated MW | 43kDa/54kDa |
| SDS-PAGE MW | 54kDa |
| Formulation | Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3. |
| Storage | Store at -20°C. Avoid freeze / thaw cycles. |

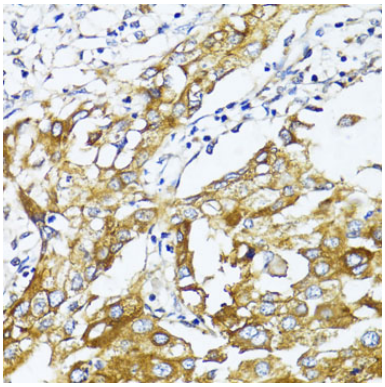
## Application Details

WB□1:500 - 1:2000IHC□1:50 - 1:200IF□1:50 - 1:200

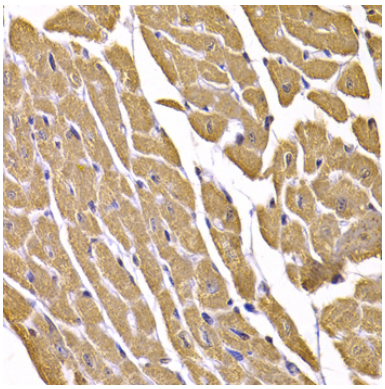
## Images



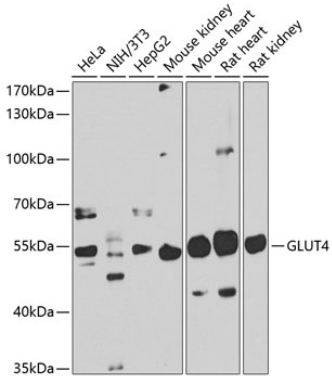
Immunohistochemistry of paraffin-embedded rat heart using GLUT4 at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human liver cancer using GLUT4 at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded mouse heart using GLUT4 at dilution of 1:100 (40x lens).




Western blot analysis of extracts of various cell lines, using GLUT4 at 1:1000 dilution.

## 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).

## Published Papers

Feng Wang;Ping Li;Xinxin Yan;Anna Yue;Jingyi Xu;Yaqing Shao;Kaiyu Zhang;Qian Zhang;Yuan Li;Kangyun Sun el at., Novel therapeutic insights into pathological cardiac hypertrophy: tRF-16-R29P4PE regulates PACE4 and metabolic pathways., , (2025)

PMID:39947523

Note: This product is for in vitro research use only and is not intended for use in humans or animals.