

GLUT4 Rabbit Polyclonal Antibody

Catalog No: #55268

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

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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:P14672GenelD: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.

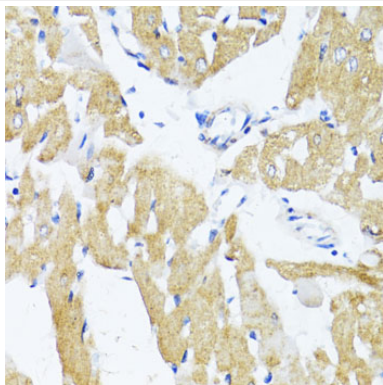
Application Details

WB□1:500 - 1:2000

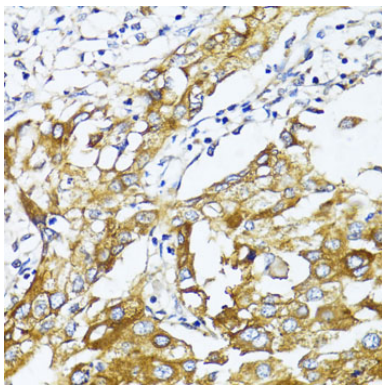
IHC□1:50 - 1:200

IF□1:50 - 1:200

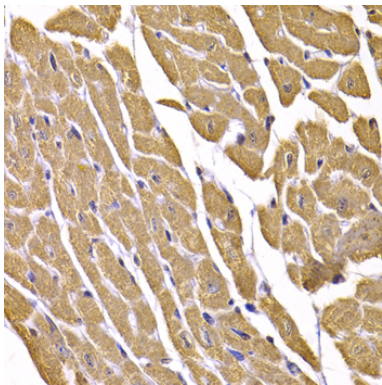
Images



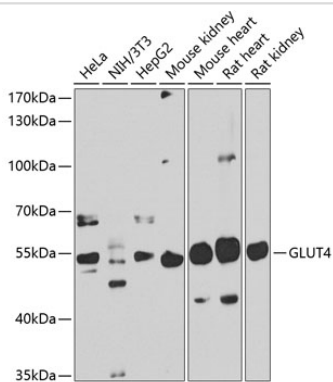
Immunohistochemistry of paraffin-embedded rat heart using GLUT4 at dilution of 1:100 (40x lens).



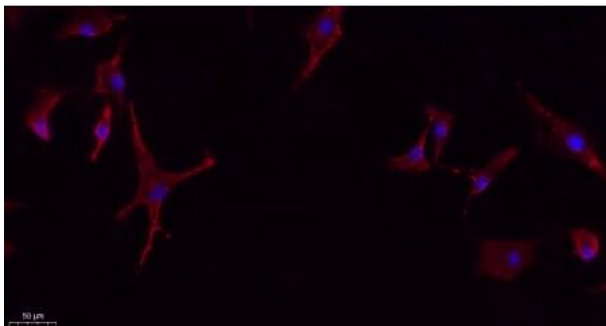
Immunohistochemistry of paraffin-embedded human liver cancer using GLUT4 at dilution of 1:100 (40x lens).



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.



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, 50min).3, Picture B: DAPI(blue) 10min.

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 et al., 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.