PRODUCT DATA SHEET

Glut4 Polyclonal Antibody

Catalog No.	IPB0098
Reactivity	Human; Mouse; Rat
Applications	WB; IHC-p; IF/ICC; ELISA
Dilution	WB: 1:500-1:2000 IHC-p: 1:100-1:200 ELISA: 1:20000 IF: 1:50-1:200
Gene Name	SLC2A4
Protein Name	Solute carrier family 2 facilitated glucose transporter member 4
Human Gene Id	6517
Swiss-Prot	P14672
Formulation	Liquid in PBS containing 50% glycerol, 05% BSA and 002% sodium azide
Source	Rabbit
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Concentration	1 mg/ml
Storage&Stability	-20°C/1 year
Subcellular Location	Cell membrane; Multi-pass membrane protein Endomembrane system; Multi-pass membrane protein Cytoplasm, perinuclear region Localizes primarily to the perinuclear region, undergoing continued recycling to the plasma membrane where it is rapidly reinternalized (PubMed:8300557) The dileucine internalization motif is critical for intracellular sequestration (PubMed:8300557) Insulin stimulation induces translocation to the cell membrane (By similarity)
MW	54787
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)

Products Images:

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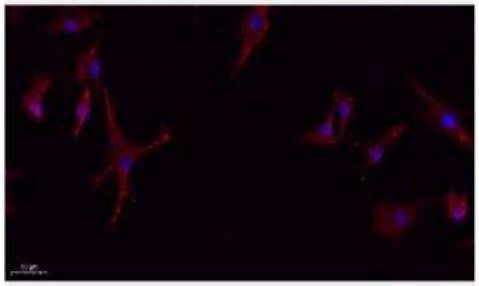
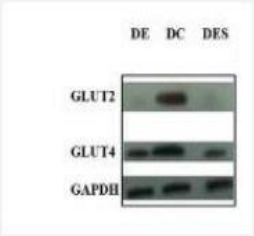
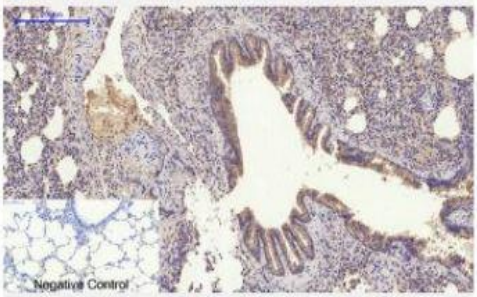


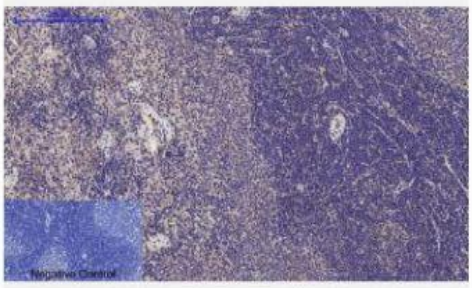
Immunofluorescence analysis of A549. 1,primary Antibody(red) was diluted at 1:200(4°C overnight). 2, Goat Anti Rabbit IgG (H&L) - Alexa Fluor 594 Secondary antibody was diluted at 1:1000(room temperature, 50min).3, Picture B: DAPI(blue) 10min.



Long, Min-hui, et al. "PM2. 5 aggravates diabetes via the systemically activated IL-6-mediated STAT3/SOCS3 pathway in rats' liver." Environmental Pollution 256 (2020): 113342.



Immunohistochemical analysis of paraffin-embedded Rat-lung tissue. 1,Glut4 Polyclonal Antibody was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room tempeRature, 30min). Negative control was used by secondary antibody only.



Immunohistochemical analysis of paraffin-embedded Rat-spleen tissue. 1,Glut4 Polyclonal Antibody was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room tempeRature, 30min). Negative control was used by secondary antibody only.

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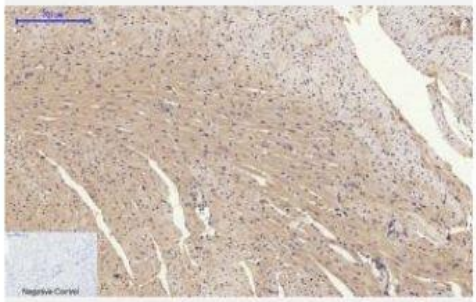
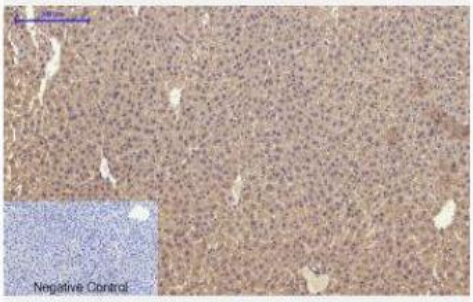
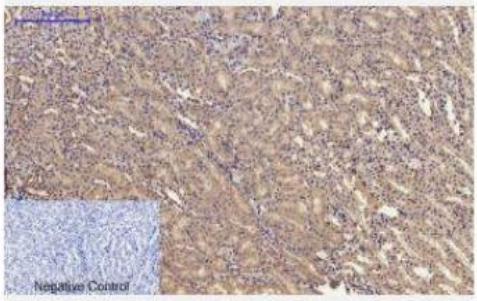


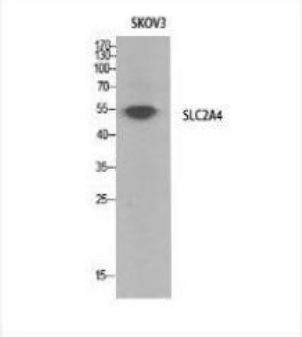
Immunohistochemical analysis of paraffin-embedded Mouse-heart tissue. 1,Glut4 Polyclonal Antibody was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room tempeRature, 30min). Negative control was used by secondary antibody only.



Immunohistochemical analysis of paraffin-embedded Mouse-liver tissue. 1,Glut4 Polyclonal Antibody was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room tempeRature, 30min). Negative control was used by secondary antibody only.



Immunohistochemical analysis of paraffin-embedded Mouse-kidney tissue. 1,Glut4 Polyclonal Antibody was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room tempeRature, 30min). Negative control was used by secondary antibody only.



Western Blot analysis of SKOV3 cells using Glut4 Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000