

A25174

Leader in Biomolecular Solutions for Life Science



GLUT4 Rabbit pAb

Catalog No.: A25174

Basic Information

Observed MW

50kDa

Calculated MW

55kDa

Category

Polyclonal Antibody

Applications

WB,IHC-P,IF/ICC,ELISA

Cross-Reactivity

Human,Mouse

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).

Recommended Dilutions

WB 1:1000 - 1:2000

IHC-P 1:50 - 1:200

IF/ICC 1:100 - 1:500

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

6517

Swiss Prot

P14672

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

GLUT4

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

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

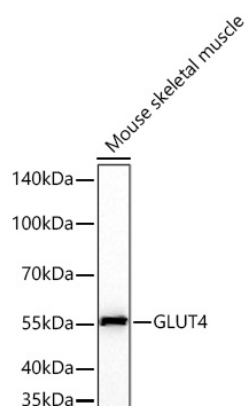
Buffer: PBS with 0.09% Sodium azide,50% glycerol,pH7.3.

Contact

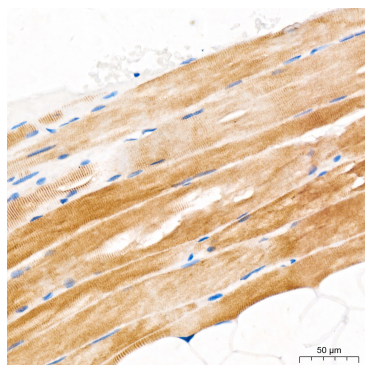


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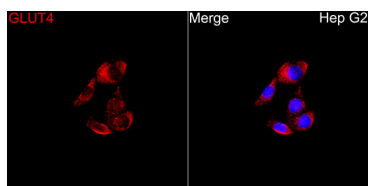
Validation Data



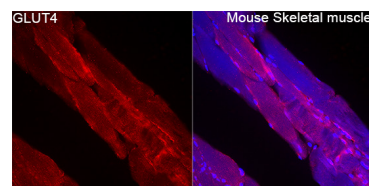
Western blot analysis of lysates from Mouse skeletal muscle using GLUT4 Rabbit pAb (A25174) at 1:1000 dilution incubated overnight at 4°C.
 Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
 Lysates/proteins: 25 µg per lane.
 Blocking buffer: 3% nonfat dry milk in TBST.
 Detection: ECL Basic Kit (RM00020).
 Exposure time: 60s.



Immunohistochemistry analysis of paraffin-embedded Human skeletal muscle tissue using GLUT4 Rabbit pAb (A25174) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunofluorescence analysis of Hep G2 cells using GLUT4 Rabbit pAb(A25174) at a dilution of 1:250 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L)(AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of paraffin-embedded Mouse skeletal muscle tissue using GLUT4 Rabbit pAb(A25174) at a dilution of 1:250 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L)(AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.