



Datasheet for ABIN6147963

## anti-GLUT4 antibody (C-Term)



[Go to Product page](#)

7 Images

1 Publication

### Overview

Quantity:	100 µL
Target:	GLUT4 (SLC2A4)
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GLUT4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

### Product Details

Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 400 to the C-terminus of human GLUT4 (NP_001033.1).
Sequence:	GPIPWFI VAE LFSQGPRPAA MAVAGFSNWT SNFIIGMGFQ YVAEAMGPYV FLLFAVLLLG FFIFTFLRVP ETRGRTFDQI SAAFHRTPSL LEQEVKPSTE LEYLGPDEND
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

### Target Details

Target:	GLUT4 (SLC2A4)
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## Target Details

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Alternative Name: [SLC2A4 \(SLC2A4 Products\)](#)

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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), SLC2A4, GLUT4, Cancer, Signal Transduction, Cell Biology & Developmental Biology, Endocrine & Metabolism, Carbohydrate metabolism, AMPK Signaling Pathway, Insulin Receptor Signaling Pathway, Warburg Effect, Endocrine and metabolic diseases, Diabetes, Stem Cells, Mesenchymal Stem Cells, Cardiovascular, Heart, Cardiac metabolism, SLC2A4

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Molecular Weight: 43 kDa/54 kDa

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Gene ID: 6517

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UniProt: [P14672](#)

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Pathways: [AMPK Signaling](#), [Carbohydrate Homeostasis](#), [Proton Transport](#), [Brown Fat Cell Differentiation](#), [Warburg Effect](#)

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## Application Details

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Application Notes: WB, 1:500 - 1:2000, IHC, 1:50 - 1:200, IF, 1:50 - 1:200

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Comment: HIGH QUALITY

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.

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Preservative: Sodium azide

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Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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Storage: -20 °C

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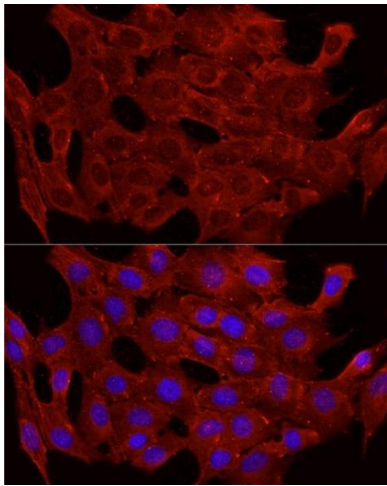
Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

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## Publications

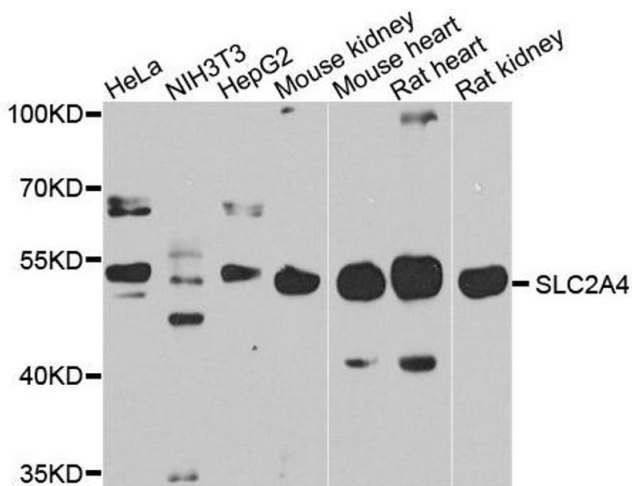
Product cited in: Xing, Yu, Zhang, Luo, Lei, Huang, Lin, Huang, Huang, Nong, Zhou, Wei et al.: "Isoviolanthin Extracted from *Dendrobium officinale* Reverses TGF- $\beta$ 1-Mediated Epithelial-Mesenchymal Transition in Hepatocellular Carcinoma Cells via Deactivating the TGF- $\beta$ /Smad and PI3K/Akt/mTOR ..." in: **International journal of molecular sciences**, Vol. 19, Issue 6, (2018) ([PubMed](#)).

## Images



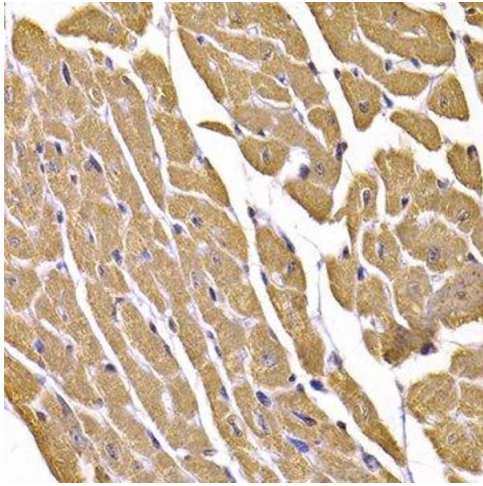
### Immunofluorescence

**Image 1.** Immunofluorescence analysis of C2C12 cells using GLUT4 antibody (ABIN6134112, ABIN6147963, ABIN6147964 and ABIN6223551) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



### Western Blotting

**Image 2.** Western blot analysis of extracts of various cell lines, using SLC2A4 antibody.



### Immunohistochemistry (Paraffin-embedded Sections)

**Image 3.** Immunohistochemistry of paraffin-embedded mouse heart using SLC2A4 antibody.

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN6147963.