Datasheet for ABIN7209715

anti-GLUT4 antibody (N-Term)

3 Images

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Overview

Quantity:	100 µL
Target:	GLUT4 (SLC2A4)
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GLUT4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Glut4 Polyclonal Antibody
Immunogen:	Synthesized peptide derived from the N-terminal region of human Glut4
Isotype:	IgG
Specificity:	Glut4 Polyclonal Antibody detects endogenous levels of Glut4 protein.
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen

Target Details

Target:	GLUT4 (SLC2A4)
Alternative Name:	Glut4 (SLC2A4 Products)

Target Details

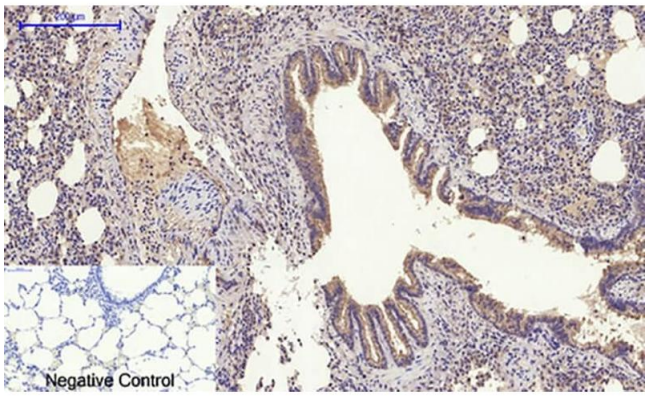
Background:	Rabbit Anti-Glut4 Polyclonal Antibody,SLC2A4, GLUT4, Solute carrier family 2, facilitated glucose transporter member 4, Glucose transporter type 4, insulin-responsive, GLUT-4,SLC2A4 is a member of the solute carrier family 2 (facilitated glucose transporter) family and encodes a protein that 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).,Solute carrier family 2 facilitated glucose transporter member 4
Gene ID:	6517
UniProt:	P14672
Pathways:	AMPK Signaling, Carbohydrate Homeostasis, Proton Transport, Brown Fat Cell Differentiation, Warburg Effect

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows: WB (1:500-1:2000), IHC-P (1:50-1:300), ELISA (1:10000-1:20000). Not yet tested in other applications.
Restrictions:	For Research Use only

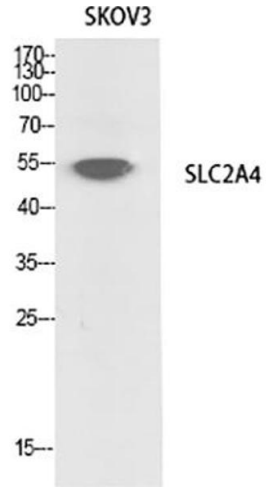
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS containing 50 % Glycerol, 0.5 % BSA and 0.02 % Sodium Azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Stable for one year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing.



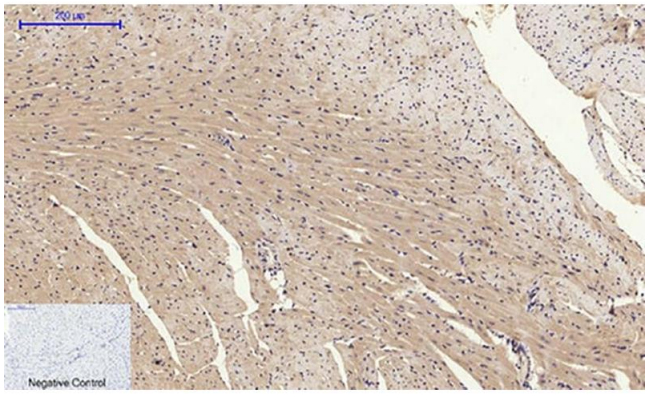
Immunohistochemistry

Image 1. 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, 20 min). 3, secondary antibody was diluted at 1:200 (room temperature, 30 min). Negative control was used by secondary antibody only.



Western Blotting

Image 2. Western Blot analysis of SKOV3 cells using Glut4 Polyclonal Antibody.



Immunohistochemistry

Image 3. 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, 20 min). 3, secondary antibody was diluted at 1:200 (room temperature, 30 min). Negative control was used by secondary antibody only.