

Anti-Glucose Transporter GLUT4 Rabbit Polyclonal Antibody

Introduction

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).

Product parameters

Alternative Names	SLC2A4; GLUT4; Solute carrier family 2; facilitated glucose transporter member 4; Glucose transporter type 4; insulin-responsive; GLUT-4
Gene ID	6517
Gene Name	SLC2A4
SwissProt ID	P14672
Host	Rabbit
Reactivity	Human, Mouse, Rat
Molecular Weight	Calculated MW: 55 kDa; Observed MW: 55 kDa
Conjugation	Unconjugated
Ex	-
Em	-
Modification	Unmodified
Clonality	IgG
Isotype	Polyclonal Antibody
Clonality No.	-
Form	Liquid
Concentration	See label
Carrier	Carrier Not Free
Immunogen	The antiserum was produced against synthesized peptide derived from the N-terminal region of human SLC2A4.
Purification	Affinity Purified
Buffer System	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
Application	WB, IHC-P, ELISA
Dilution Ratio	WB: 1/500-1/1000 IHC: 1/50-1/100 ELISA: 1/10000

Research Field	Signal Transduction
Product Categories	Primary antibody
Shipping	Blue ice
Storage	-20°C
Expiration Date	12 months
Note	Please avoid freeze-thaw cycles.



Protocol

Configure the product according to the application range and recommended dilution ratio.

***Note:** The primary antibody dilution buffer options: WB - Primary Antibody Dilution Buffer (Cat. #: K1200, Not for HRP/AP conjugated antibodies), Immunostaining - Immunol Staining Primary Antibody Dilution Solution (Cat. #: K4655).

Note

1. This product is for scientific research use only.





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