

Glut4 rabbit pAb

Cat No.:ES4253

For research use only

Overview

Product Name	Glut4 rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. IHC-p: 1:100-300
	ELISA: 1/20000. IF 1:100-300 Not yet tested in other
	applications.
Immunogen	The antiserum was produced against synthesized
	peptide derived from the N-terminal region of
	human SLC2A4. AA range:21-70
Specificity	Glut4 Polyclonal Antibody detects endogenous
	levels of Glut4 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and
	0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Solute carrier family 2 facilitated glucose transporter
	member 4
Gene Name	SLC2A4
Cellular localization	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 rein
Purification	The antibody was affinity-purified from rabbit
	antiserum by affinity-chromatography using
	epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	56kD
Human Gene ID	6517
Human Swiss-Prot Number	P14672
Alternative Names	SLC2A4; GLUT4; Solute carrier family 2, facilitated



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Background

glucose transporter member 4; Glucose transporter type 4, insulin-responsive; GLUT-4 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). [provided by RefSeq, Jul 2008],

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.





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