Datasheet for ABIN6287607

anti-GLUT4 antibody (N-Term)

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Overview

Quantity:	50 µL
Target:	GLUT4 (SLC2A4)
Binding Specificity:	AA 21-70, N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GLUT4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	Glut4 is a protein encoded by the SLC2A4 gene which is approximately 54,7 kDa. Glut4 is localised to the cell membrane and cytoplasm. It is involved in the transport of glucose, other sugars, bile salts, organic acids and metal ions and AMP-activated protein kinase signalling. This protein falls under the solute carrier family 2 and functions as an insulin-regulated facilitative glucose transporter. In the absence of insulin, it 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. Glut4 is expressed in the skeletal and cardiac muscles, brown and white fat. Mutations in the SLC2A4 gene may be involved in diabetes mellitus. STJ96888 was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. This polyclonal antibody detects endogenous levels of Glut4 protein.
Immunogen:	Synthesized peptide derived from human Glut4.

Product Details

Isotype:	IgG
Specificity:	Glut4 Polyclonal Antibody detects endogenous levels of Glut4 protein.
Characteristics:	Rabbit polyclonal to Glut4.
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)
Gene ID:	6517
UniProt:	P14672
Pathways:	AMPK Signaling, Carbohydrate Homeostasis, Proton Transport, Brown Fat Cell Differentiation, Warburg Effect

Application Details

Application Notes:	WB 1:500-1:2000 ELISA 1:20000
Comment:	Skeletal and cardiac muscles, brown and white fat.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Liquid in 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:	Store at -20°C, and avoid repeat freeze-thaw cycles.