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Glut4 Polyclonal Antibody

Cat #: ABP51440 Size: 30μl /100μl /200μl

Product Information

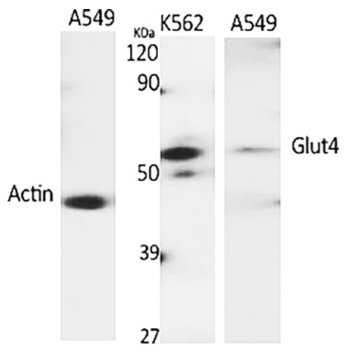
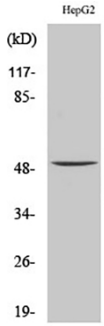
	Product Name: Glut4 Polyclonal Antibody		
	Applications: WB, IHC-P, ELISA		**Isotype:** Rabbit IgG
	Reactivity: Human, Mouse, Rat		
REF	**Catalog Number:** ABP51440	LOT	**Lot Number:** Refer to product label
	Formulation: Liquid		**Concentration:** 1 mg/ml
	**Storage:** Store at -20°C. Avoid repeated freeze / thaw cycles.		**Note:** Contain sodium azide.

Background: SLC2A4 is a member of the solute carrier family 2 (facilitated glucose transporter) family and encodes Solute carrier family 2 facilitated glucose transporter member 4 that functions as an insulin-regulated facilitative glucose transporter. In the absence of insulin, solute carrier family 2 facilitated glucose transporter member 4 is sequestered within the cells of muscle and adipose tissue. Within minutes of insulin stimulation, solute carrier family 2 facilitated glucose transporter member 4 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).

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 (1:100-1:300), ELISA (1:40000). Not yet tested in other applications.

Storage Buffer: PBS containing 50% Glycerol, 0.5% BSA and 0.02% Sodium Azide.

Storage Instructions: 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.

	Fig.1. Western Blot analysis of various cells using Glut4 Polyclonal Antibody diluted at 1:2000.
	Fig.2. Western Blot analysis of HepG2 cells using Glut4 Polyclonal Antibody diluted at 1:2000.

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