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Glut4 Polyclonal Antibody

Catalog # AP70113

Product Information

Application	WB, IHC-P
Primary Accession	P14672
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	54787

Additional Information

Gene ID	6517
Other Names	SLC2A4; GLUT4; Solute carrier family 2; facilitated glucose transporter member 4; Glucose transporter type 4, insulin-responsive; GLUT-4
Dilution	WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications. IHC-P~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20℃

Protein Information

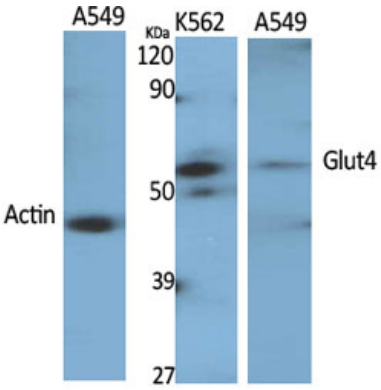
Name	SLC2A4 (HGNC:11009)
Function	Insulin-regulated facilitative glucose transporter, which plays a key role in removal of glucose from circulation. Response to insulin is regulated by its intracellular localization: in the absence of insulin, it is efficiently retained intracellularly within storage compartments in muscle and fat cells. Upon insulin stimulation, translocates from these compartments to the cell surface where it transports glucose from the extracellular milieu into the cell.
Cellular Location	Cell membrane {ECO:0000250|UniProtKB:P14142}; Multi-pass membrane protein {ECO:0000250|UniProtKB:P14142} Endomembrane system; Multi-pass membrane protein. Cytoplasm, perinuclear region {ECO:0000250|UniProtKB:P14142}. Note=Localizes primarily to the perinuclear region, undergoing continued recycling to the plasma membrane where it is rapidly reinternalized (PubMed:8300557). The dileucine internalization motif is critical for intracellular sequestration (PubMed:8300557). Insulin stimulation induces translocation to the cell membrane (By similarity) {ECO:0000250|UniProtKB:P14142, ECO:0000269|PubMed:8300557}

Tissue Location	Skeletal and cardiac muscles; brown and white fat.

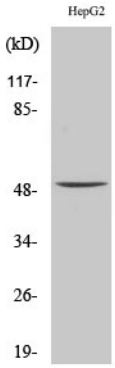
Background

Insulin-regulated facilitative glucose transporter.

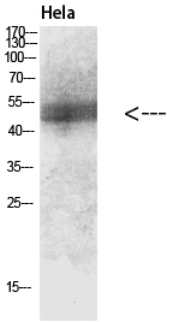
Images



Western Blot analysis of various cells using Glut4 Polyclonal Antibody diluted at 1：2000



Western Blot analysis of HepG2 cells using Glut4 Polyclonal Antibody diluted at 1：2000



Western blot analysis of Hela Lysate, antibody was diluted at 1:1000. Secondary antibody was diluted at 1:20000