

Product Datasheet

Anti-Glut4 Rabbit pAb

For Research Use Only. Not For Use In Diagnostic Procedures



WLH4513

Product Information

Product name	Anti-Glut4 Rabbit pAb	
Source	Rabbit	
Species reactivity	Mouse, Rat	
Tested applications	IF	1:100-1:400
Cellular localization	Cell membrane. Endomembrane system. Cytoplasm, perinuclear region	
Pack size	50/100/200/500/1000µl	
Storage	Store at -20°C. Avoid freeze/thaw cycles.	
Storage buffer	Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide	

General Information

Background

Glucose is fundamental to the metabolism of mammalian cells. Its passage across cell membranes is mediated by a family of transporters termed glucose transporters or Gluts. A group of related glucose transporters (Glut1-5 and 7) mediate the facilitated diffusion of glucose in nonepithelial mammalian tissues. Within insulin-responsive tissues such as muscle and fat, Glut1 contributes to basal glucose uptake while Glut4 is responsible for insulin-stimulated glucose transport. Glut4 is a 12-transmembrane domain protein that facilitates glucose transport in the direction of the glucose gradient. This transporter localizes to intracellular organelles (endosomes) in unstimulated cells and translocates to the cell surface following insulin stimulation.

Immunogen

Polyclonal antibody is produced by immunizing animals with a synthetic peptide of Glut4.

Purification

Polyclonal antibody was purified by immunogen affinity chromatography.

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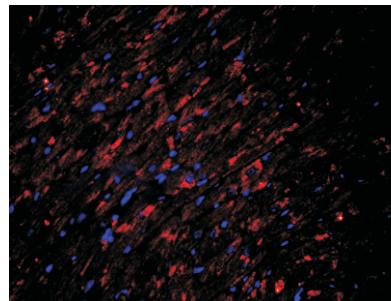
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Product Images



Immunofluorescence-Anti-Glut4 pAb

Immunofluorescence analysis of paraffin-embedded mouse heart using anti-Glut4 Rabbit Antibody at 1:200 dilution. Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0.