

ARG65292 anti-GLUT4 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes GLUT4
Tested Reactivity	Hu, Ms, Rat
Predict Reactivity	Cow, Pig
Tested Application	IHC-P, WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	GLUT4
Species	Human
Immunogen	C-TELEYLGPDEND
Conjugation	Un-conjugated
Alternate Names	Glucose transporter type 4, insulin-responsive; GLUT4; GLUT-4; Solute carrier family 2, facilitated glucose transporter member 4

Application Instructions

Application table	Application	Dilution
	IHC-P	3 - 5 µg/ml
	WB	0.3 - 1 µg/ml
Application Note	WB: Recommend incubate at RT for 1h. IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated

freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Background

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]

Highlight

Related Antibody Duos and Panels:

[ARG30151 Glucose uptake: Insulin Receptor Dependent Pathway Antibody Panel \(GLUT4, AKT pS473, IRS1 pS636\)](#)

Related products:

[GLUT4 antibodies](#); [GLUT4 Duos / Panels](#); [Anti-Goat IgG secondary antibodies](#);

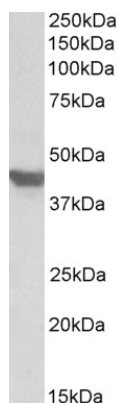
Research Area

Cancer antibody; Cell Biology and Cellular Response antibody; Developmental Biology antibody; Metabolism antibody; Signaling Transduction antibody; Glucose uptake: Insulin Receptor Dependent Pathway Study antibody

Calculated Mw
PTM

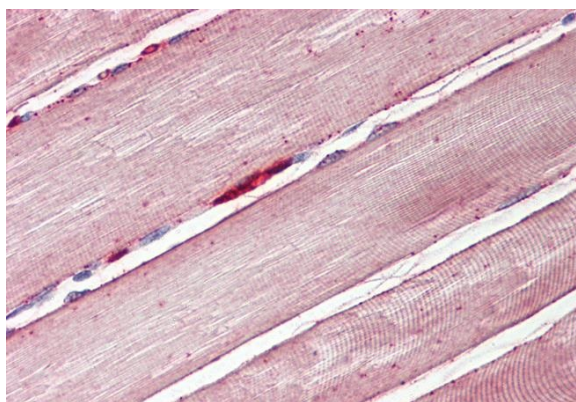
55 kDa
Sumoylated.

Images



ARG65292 anti-GLUT4 antibody WB image

Western blot: Mouse Heart lysate (35 µg protein in RIPA buffer) stained with ARG65292 anti-GLUT4 antibody at 1 µg/ml dilution.



ARG65292 anti-GLUT4 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human skeletal muscle tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG65292 anti-GLUT4 antibody at 3.75 µg/ml dilution followed by AP-staining.