Anti-Glucose Transporter GLUT4 antibody - Carboxyterminal end (ab65976)

6 References 4 Images URL for this product: http://www.abcam.com/Glucose-Transporter-GLUT4-antibody-Carboxyterminal-end-ab65976.html

Product overview

Description	Rabbit polyclonal to Glucose Transporter GLUT4 - Carboxyterminal end
Host species	Rabbit
Tested applications	WB, IHC-P, ICC/IF
Cross reactivity	**Reacts with** Mouse, Rat, Human
Immunogen	A synthetic peptide corresponding to the C-terminal of human glucose transporter GLUT 4, identical to the related rat and mouse sequence.
Positive control	Human ovary cancer tissue; rat liver section lysis

Target

Function	Insulin-regulated facilitative glucose transporter.
Tissue specificity	Skeletal and cardiac muscles; brown and white fat.
Involvement in disease	Defects in SLC2A4 may be a cause of noninsulin-dependent diabetes mellitus (NIDDM) [MIM:125853]. Defects in SLC2A4 may be a cause of certain post-receptor defects in NIDDM. The variant in position Ile-383 is found in a small number of NIDDM patients, but seems not to be found in nondiabetic subjects.
Sequence similarities	Belongs to the major facilitator superfamily. Sugar transporter (TC 2.A.1.1) family. Glucose transporter subfamily.
Post-translational modifications	Sumoylated.
Cellular localization	Endomembrane system. Cytoplasm > perinuclear region. Localizes primarily to the perinuclear region, undergoing continued recycling to the plasma membrane where it is rapidly reinternalized. The dileucine internalization motif is critical for intracellular sequestration.

Target information above from: UniProt accessionP14672 *The UniProt Consortium*
The Universal Protein Resource (UniProt) in 2010
Nucleic Acids Res. 38:D142-D148 (2010).

Alternative names	insulin-responsive antibody Glucose transporter GLUT 4 antibody Glucose transporter type 4 antibody Glucose transporter type 4 insulin responsive antibody GLUT 4 antibody GLUT-4 antibody GLUT4 antibody GTR4_HUMAN antibody kug antibody SLC 2A4 antibody SLC2A4 antibody solute carrier family 2 (facilitated glucose transporter) member 4 antibody Solute carrier family 2, facilitated glucose transporter member 4 antibody

Properties

Form	Lyophilised: 0.2ml of distilled water will yield a concentration of 500µg/ml.
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

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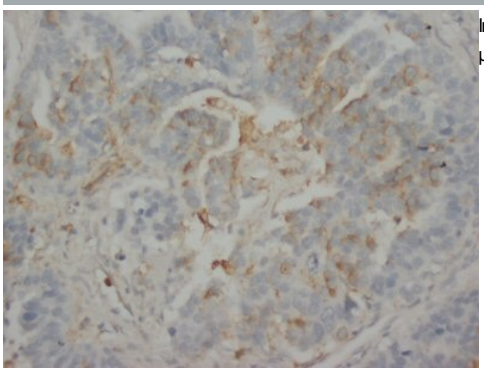
Last updated on
September 6, 2012

Storage buffer	Preservative: 0.02% Sodium Azide, 0.01% Thimerosal (merthiolate) Constituents: 2.5% BSA, 0.45% Sodium chloride, 0.1% Dibasic monohydrogen sodium phosphate See the website for more SDS information for this product.
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

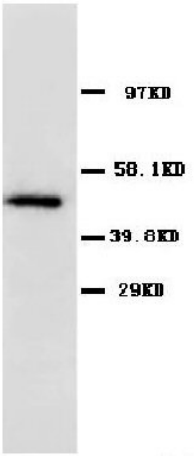
Applications

WB	WB: Use a concentration of 1 µg/ml. Detects a band of approximately 56 kDa (predicted molecular weight: 56 kDa).
IHC-P	IHC-P: Use a concentration of 1 - 2 µg/ml.
ICC/IF	ICC/IF: 1/100. PubMed: 1964810

Images (See the website for higher resolution images of this product)



Immunohistochemical analysis of paraffin-embedded human ovary cancer section using ab65976 at a dilution of 1 µg/ml



ab65976 staining Glucose Transporter GLUT4 in rat skeletal muscle sections by Immunohistochemistry (paraffin embedded tissue). Primary antibody used at 2µg/ml.

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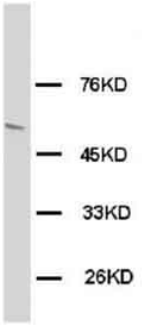

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If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit http://www.abcam.com/abpromise or contact our technical team.

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