

## Rabbit polyclonal antibody to Glucose transporter 4 (491-509): Affinity purified

<b>Catalogue No.:</b>	R-1603-100
<b>Description:</b>	Glucose transporter 4 (GLUT4) is a multi-pass membrane protein. It is a member of the family of glucose transporters that facilitate glucose uptake by cells. GLUT4 is sequestered within cells not stimulated by insulin. After insulin stimulation, it is translocated to the cell surface where it transports glucose across the cell membrane. GLUT4 is found in skeletal and heart muscles and in adipose tissue. It is highly conserved between species.
<b>Batch No.:</b>	See product label
<b>Unit size:</b>	100 ug
<b>Antigen:</b>	A synthetic peptide corresponding to the region (491-509 aa) from the C-terminus of human GLUT4.
<b>Other Names:</b>	GLUT4; SLC2A4;
<b>Accession:</b>	P14672 GTR4_HUMAN; P19357 GTR4_RAT;
<b>Produced in:</b>	Rabbit
<b>Purity:</b>	Affinity purified on antigen column
<b>Applications:</b>	Immunohistochemistry (IHC) and Western Blotting (WB). A concentration of 0.1-0.5 ug/mL is recommended for WB. A concentration of 0.5-1.0 ug/mL is recommended to detect GLUT4 in formalin fixed and paraffin embedded tissues. Heat mediated antigen retrieval is recommended. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
<b>Specificity:</b>	The specificity of this antibody has been confirmed by WB and IHC against the antigen.
<b>Cross-reactivity:</b>	Rat; predicted to react with human and mouse due to sequence homology;
<b>Form:</b>	Lyophilised with 5mg BSA, 0.9mg NaCl, 0.2mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05mg Thimerosal, 0.05mg NaN <sub>3</sub>
<b>Reconstitution:</b>	Reconstitute in 100 uL of sterile distilled water to achieve an antibody concentration of 1 ug/ul. Centrifuge to remove any insoluble material.
<b>Storage:</b>	At least 12 months after purchase at 2-8C (lyophilized formulations). After reconstitution, aliquot and store at -20C for a higher stability. Avoid freeze-thaw cycles.
<b>Expiry Date:</b>	12 months after purchase

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FOR RESEARCH USE ONLY

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