

Rabbit Anti-Mouse Glucose Transporter 4 (GLUT4) Polyclonal Antibody

Cat. No.: VD2N654

Product Type: Animal-targeted Antibodies

Size: 100 µL; 200 µL; 1 mL

Product Overview

BioVenic rabbit polyclonal antibody is specific for mouse glucose transporter 4. It is purified by Protein A Purified . It can be applied to WB, IHC, ICC and IP assays of mouse glucose transporter 4.

Specifications

Application	WB; IHC; ICC; IP
Clonality	Polyclonal
Classification	Primary Antibody
Clone	Y1N153
Host	Rabbit
Target Species	Mouse
Species Reactivity	Mouse
Specificity	Mouse Glucose Transporter 4
Isotype	IgG
Immunogen	Recombinant protein of mouse glucose transporter 4
Purification	Protein A Purified
Concentration	1 mg/mL
Conjugation	Unconjugated
Preservative and Stabilizer	0.05% Proclin 300
Buffer	0.01M Phosphate Buffered Saline, pH 7.4, with 50% glycerol
Physical State	Liquid

Target Information

Mouse Glucose Transporter 4 (GLUT4) is a facilitative glucose transporter predominantly expressed in adipose tissue and skeletal muscle. It plays a crucial role in insulin-mediated glucose uptake, ensuring efficient energy storage and utilization. GLUT4 is stored

in intracellular vesicles and translocates to the plasma membrane in response to insulin signaling, thereby facilitating glucose entry into cells. This process is essential for maintaining glucose homeostasis and is a key factor in metabolic regulation. GLUT4 is an important target for studying insulin sensitivity and metabolic disorders in mouse models.

Target	Mouse Glucose Transporter 4
Target Synonym	SLC2A4; Solute carrier family 2, facilitated glucose transporter member 4; Glucose transporter type 4, insulin-responsive
Gene ID	20528
UniProt ID	P14142

Shipping and Storage

This product is shipped with wet ice packs. Store at -20°C on receipt (up to 12 months). Avoid repeated freezing and thawing as this may denature the antibody.

The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.