

## Anti-SLC2A4 Antibody (Monoclonal, 31S23)

Catalog Number: M00528-1

### About Slc2a4

GLUT4, also known as SLC2A4 or solute carrier family 2 (facilitated glucose transporter) member 4, is a protein that in humans is encoded by the GLUT4 gene. It is mapped to 17p13.1. 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).

### Overview

Product Name	Anti-SLC2A4 Antibody (Monoclonal, 31S23)
Reactive Species	Mouse, Rat
Description	Boster Bio Anti-SLC2A4 Antibody (Monoclonal, 31S23) catalog # M00528-1. Tested in WB applications. This antibody reacts with Mouse, Rat.
Application	WB
Clonality	Monoclonal 31S23
Formulation	Rabbit IgG in stabilizing components, phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P14142

### Technical Details

Immunogen	Synthetic peptide within human GLUT4 aa 649-507.
Form	Liquid
Concentration	500 ug/ml
Purification	Protein A affinity purified.
Suggested Dilutions	Western blot, 1:500-2000

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