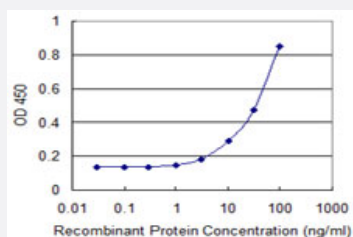


SLC2A4 monoclonal antibody (M06), clone 4A1

Catalog # H00006517-M06

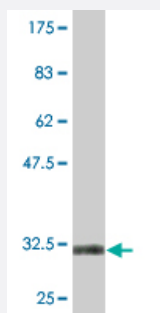
Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged SLC2A4 is 1 ng/ml as a capture antibody.



Western Blot detection against Immunogen (30.47 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant SLC2A4.
Immunogen	SLC2A4 (NP_001033, 467 a.a. ~ 509 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	RVPETRGRFTDQISAAFHRTPSLLEQEVKPSLELEYLGPDEND
Host	Mouse
Reactivity	Human
Isotype	IgG2b Kappa

Quality Control Testing

Antibody Reactive Against Recombinant Protein.
Western Blot detection against Immunogen (30.47 KDa) .

Storage Buffer

In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged SLC2A4 is 1 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — SLC2A4

Entrez GeneID

[6517](#)

GeneBank Accession#

[NM_001042](#)

Protein Accession#

[NP_001033](#)

Gene Name

SLC2A4

Gene Alias

GLUT4

Gene Description

solute carrier family 2 (facilitated glucose transporter), member 4

Omim ID

[138190](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

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]

Other Designations

glucose transporter 4|insulin-responsive glucose transporter type 4

Pathway

- [Adipocytokine signaling pathway](#)
- [Insulin signaling pathway](#)
- [Type II diabetes mellitus](#)

Disease

- [Alzheimer disease](#)
- [Atherosclerosis](#)
- [Calcinosis](#)
- [Cardiovascular Diseases](#)
- [Coronary Artery Disease](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Insulin Resistance](#)
- [Lung Neoplasms](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Obesity](#)
- [Osteoporosis](#)
- [Polycystic Ovary Syndrome](#)
- [Pulmonary Disease](#)

- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)