# Glucose Transporter GLUT4 Conjugated Antibody

Catalog No: #C48198

Package Size: #C48198-AF350 100ul #C48198-AF405 100ul #C48198-AF488 100ul #C48198-AF555 100ul #C48198-AF594 100ul #C48198-AF647 100ul #C48198-AF680 100ul #C48198-AF750 100ul #C48198-Biotin 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

## Description

| | |
|---|---|
| Product Name | Glucose Transporter GLUT4 Conjugated Antibody |
| Host Species | Rabbit |
| Clonality | Polyclonal |
| Species Reactivity | Hu,Ms |
| Immunogen Description | peptide |
| Conjugates | Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750 |
| Other Names | Glucose transporter GLUT 4 Glucose transporter type 4 Glucose transporter type 4 insulin responsive GLUT 4 GLUT-4 GLUT4 GTR4_HUMAN Insulin responsive glucose transporter type 4 insulin-responsive kug SLC 2A4 SLC2A4 solute carrier family 2 (facilitated glucose transporter) member 4 Solute carrier family 2 member 4 Solute carrier family 2, facilitated glucose transporter member 4 |
| Accession No. | Swiss-Prot#:P14672 |
| Uniprot | P14672 |
| GeneID | 6517; |
| Excitation Emission | AF350: 346nm/442nm<br>AF405: 401nm/421nm<br>AF488: 493nm/519nm<br>AF555: 555nm/565nm<br>AF594: 591nm/614nm<br>AF647: 651nm/667nm<br>AF680: 679nm/702nm<br>AF750: 749nm/775nm |
| Calculated MW | 55 kDa |
| Formulation | 0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide |
| Storage | Store at 4°C in dark for 6 months |

## Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

## Background

GLUT4 is the insulin-regulated glucose transporter found primarily in adipose tissues and striated muscle (skeletal and cardiac) that is responsible for insulin-regulated glucose transport into the cell. Under conditions of low insulin, GLUT4 is sequestered in intracellular vesicles in muscle and fat cells. Insulin induces a rapid increase in the uptake of glucose by inducing the translocation of GLUT4 from these vesicles to the plasma membrane. Muscle contraction stimulates muscle cells to translocate GLUT4 receptors to their surfaces. This is especially true in cardiac muscle, where continuous contraction can be relied upon; but is observed to a lesser extent in skeletal muscle.

Note: This product is for in vitro research use only