

Datasheet for ABIN7299452  
**anti-GLUT4 antibody (Center)**



[Go to Product page](#)

2 Images

## Overview

|                      |                                                   |
|----------------------|---------------------------------------------------|
| Quantity:            | 100 µL                                            |
| Target:              | GLUT4 (SLC2A4)                                    |
| Binding Specificity: | Center                                            |
| Reactivity:          | Human, Mouse, Rat, Rabbit                         |
| Host:                | Rabbit                                            |
| Clonality:           | Polyclonal                                        |
| Conjugate:           | This GLUT4 antibody is un-conjugated              |
| Application:         | Western Blotting (WB), Immunohistochemistry (IHC) |

## Product Details

|                  |                                                                                                   |
|------------------|---------------------------------------------------------------------------------------------------|
| Immunogen:       | KLH-conjugated synthetic peptide encompassing a sequence within the center region of human GLUT4. |
| Specificity:     | Recognizes endogenous levels of GLUT4 protein.                                                    |
| Characteristics: | Rabbit polyclonal antibody to GLUT4                                                               |
| Purification:    | The antibody was purified by immunogen affinity chromatography.                                   |

## Target Details

|                   |                                                                                               |
|-------------------|-----------------------------------------------------------------------------------------------|
| Target:           | GLUT4 (SLC2A4)                                                                                |
| Alternative Name: | GLUT4 ( <a href="#">SLC2A4 Products</a> )                                                     |
| Background:       | GLUT4, Solute carrier family 2, facilitated glucose transporter member 4, Glucose transporter |

### Target Details

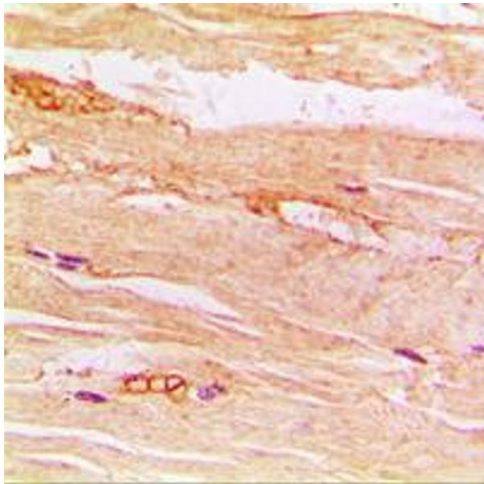
|           |                                                                                                                                                                                                |
|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|           | type 4, insulin-responsive, GLUT-4                                                                                                                                                             |
| Gene ID:  | 6517, 20528, 25139                                                                                                                                                                             |
| UniProt:  | <a href="#">P14672</a> , <a href="#">P14142</a> , <a href="#">P19357</a>                                                                                                                       |
| Pathways: | <a href="#">AMPK Signaling</a> , <a href="#">Carbohydrate Homeostasis</a> , <a href="#">Proton Transport</a> , <a href="#">Brown Fat Cell Differentiation</a> , <a href="#">Warburg Effect</a> |

### Application Details

|                    |                                         |
|--------------------|-----------------------------------------|
| Application Notes: | WB (1:500 - 1:1000), IH (1:100 - 1:200) |
| Restrictions:      | For Research Use only                   |

### Handling

|                    |                                                                                                                        |
|--------------------|------------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                                 |
| Buffer:            | Liquid in 0.42 % Potassium phosphate, 0.87 % Sodium chloride, pH 7.3, 30 % glycerol, and 0.01 % sodium azide.          |
| Preservative:      | Sodium azide                                                                                                           |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage:           | -20 °C                                                                                                                 |
| Storage Comment:   | Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.                       |
| Expiry Date:       | 12 months                                                                                                              |



Immunohistochemistry

**Image 1.** Immunohistochemical analysis of GLUT4 staining in human muscle formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Western Blotting

**Image 2.** Western blot analysis of GLUT4 expression in A549 (A), HeLa (B), NIH3T3 (C) whole cell lysates.

