Datasheet for ABIN7242182
# anti-SLC2A3 antibody

**1** Image

## Overview

| | |
|---|---|
| Quantity: | 200 μL |
| Target: | SLC2A3 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This SLC2A3 antibody is un-conjugated |
| Application: | Western Blotting (WB), ELISA |

## Product Details

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|---|---|
| Immunogen: | Synthetic peptide of human SLC2A3 |
| Isotype: | IgG |
| Characteristics: | Polyclonal Antibody |
| Purification: | Affinity purification |

## Target Details

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|---|---|
| Target: | SLC2A3 |
| Alternative Name: | GLUT-3 (SLC2A3 Products) |
| Background: | Glucose transporter 3(orGLUT3), also known assolute carrier family 2, facilitated glucose transporter member 3(SLC2A3) is aproteinthat in humans is encoded by theSLC2A3gene. GLUT3facilitatesthe transport ofglucoseacross theplasma membranesof mammalian cells. GLUT3 is most known for its specific expression inneuronsand has originally been designated |

## Target Details

as the neuronal GLUT. GLUT3 has been studied in other cell types with specific glucose requirements, includingsperm, preimplantationembryos, circulatingwhite blood cellsandcarcinomacell lines. GLUT3 has both a higher affinity for glucose and at least a fivefold greater transport capacity than GLUT1, GLUT2 and GLUT4, which is particularly significant for its role in neuronal glucose transport, where ambient glucose levels are fivefold lower than in serum.

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|---|---|
| Molecular Weight: | 54 kDa |
| NCBI Accession: | NP_008862 |
| UniProt: | P11169 |
| Pathways: | Warburg Effect |

## Application Details

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|---|---|
| Application Notes: | WB 1:500-1:2000 |
| Restrictions: | For Research Use only |

## Handling

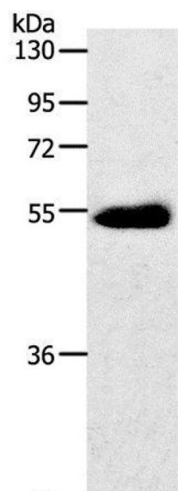| | |
|---|---|
| Format: | Liquid |
| Concentration: | 0.3 mg/mL |
| Buffer: | PBS with 0.05 % sodium azide and 50 % glycerol, PH7.4 |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | -20 °C |
| Storage Comment: | Store at -20°C. Avoid freeze / thaw cycles. |

# Images



## Western Blotting

**Image 1.** Western Blot analysis of Human colon cancer tissue using GLUT-3 Polyclonal Antibody at dilution of 1:400