



## Datasheet for ABIN3042923 anti-SLC2A5 antibody (C-Term)



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### Overview

Quantity:	100 µg
Target:	SLC2A5
Binding Specificity:	AA 481-501, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SLC2A5 antibody is un-conjugated
Application:	Western Blotting (WB)

### Product Details

Purpose:	Rabbit IgG polyclonal antibody for Solute carrier family 2, facilitated glucose transporter member 5(SLC2A5) detection. Tested with WB in Human.
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human SLC2A5 (481-501aa VSEVYPEKEELKELPPVTSEQ).
Sequence:	VSEVYPEKEE LKELPPVTSE Q
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Solute carrier family 2, facilitated glucose transporter member 5(SLC2A5) detection. Tested with WB in Human. Gene Name: solute carrier family 2(facilitated glucose/fructose transporter), member 5 Protein Name: Solute carrier family 2, facilitated glucose transporter member 5

## Product Details

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Purification: Immunogen affinity purified.

## Target Details

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Target: SLC2A5

Alternative Name: SLC2A5 ([SLC2A5 Products](#))

Background: SLC2A5, also known as GLUT5(Glucose transporter 5), is a fructose transporter expressed on the apical border of enterocytes in the small intestine. The GLUT5 gene is located on chromosome 1. GLUT5 allows for fructose to be transported from the intestinal lumen into the enterocyte by facilitated diffusion due to fructose's high concentration in the intestinal lumen. GLUT5 is also expressed in skeletal muscle, testis, kidney, fat tissue, and brain. Fructose malabsorption or Dietary Fructose Intolerance is a dietary disability of the small intestine, where the amount of fructose carrier in enterocytes is deficient. In humans the GLUT5 protein is encoded by the SLC2A5 gene.

Synonyms: Facilitated glucose transporter member 5 antibody|Fructose transporter antibody|glucose transporter like protein 5 antibody|Glucose transporter type 5 antibody|Glucose transporter type 5 small intestine antibody|GLUT 5 antibody|GLUT-5 antibody|GLUT5 antibody|GTR5\_HUMAN antibody|SLC 2A5 antibody|SLC2A5 antibody|small intestine antibody|Solute carrier family 2 antibody

UniProt: [P22732](#)

## Application Details

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Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human  
Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be fit for the product based on sequence similarities.  
Other applications have not been tested. Optimal dilutions should be determined by end users.

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB.

Restrictions: For Research Use only

## Handling

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Format: Lyophilized

Reconstitution: Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

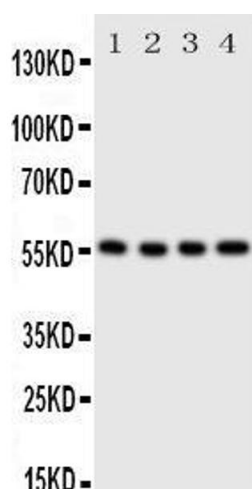
## Handling

Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05 mg Thimerosal, 0.05 mg Sodium azide.
Preservative:	Thimerosal (Merthiolate), Sodium azide
Precaution of Use:	This product contains Sodium azide and Thimerosal (Merthiolate): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.
Expiry Date:	12 months

## Publications

Product cited in:	Li, Byrd, Doh, Dixon, Lee, Tiwari, Ecelbarger: "Absence of renal enlargement in fructose-fed proximal-tubule-select insulin receptor (IR), insulin-like-growth factor receptor (IGF1R) double knockout mice." in: <b>Physiological reports</b> , Vol. 4, Issue 23, (2018) ( <a href="#">PubMed</a> ).
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## Images



### Western Blotting

**Image 1.** Anti-Glucose Transporter 5 GLUT5 antibody, Western blotting Lane 1: U87 Cell Lysate Lane 2: 293T Cell Lysate Lane 3: Cell Lysate Lane 4: SW620 Cell Lysate