

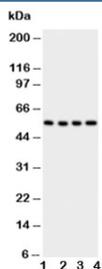
## GLUT5 Antibody (Glucose Transporter 5) (R31175)

| Catalog No. | Formulation   | Size   |
|-------------|---|--------|
| R31175      | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

 Citations (1)

[Bulk quote request](#)

|                           |  |
|---------------------------|--|
| <b>Availability</b>       | 1-3 business days  |
| <b>Species Reactivity</b> | Human  |
| <b>Format</b>             | Antigen affinity purified  |
| <b>Host</b>               | Rabbit   |
| <b>Clonality</b>          | Polyclonal (rabbit origin)   |
| <b>Isotype</b>            | Rabbit IgG   |
| <b>Purity</b>             | Antigen affinity   |
| <b>Buffer</b>             | Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal |
| <b>UniProt</b>            | P22732   |
| <b>Localization</b>       | Cytoplasmic, membranous  |
| <b>Applications</b>       | Western Blot : 0.5-1ug/ml  |
| <b>Limitations</b>        | This GLUT5 antibody is available for research use only.                  |



Western blot testing of Glut5 antibody; Lane 1: U87; 2: 293T; 3: HT1080; 4: SW620 cell lysate. Expected/observed molecular weight ~55 kDa.

### Description

SLC2A5, also known as Glucose transporter 5, is a fructose transporter expressed on the apical border of enterocytes in the small intestine. The gene is located on chromosome 1. The protein 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. Along with GLUT7, -9 and -11, GLUT5 is a class II glucose transporter family member. Fructose malabsorption or Dietary Fructose Intolerance is a dietary disability

of the small intestine, where the amount of fructose carrier in enterocytes is deficient.

## Application Notes

The stated application concentrations are suggested starting points. Titration of the GLUT5 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

Amino acids 481-501 (VSEVYPEKEELKELPPVTSEQ-human) were used as the immunogen for this GLUT5 antibody.

## Storage

After reconstitution, the GLUT5 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.