

## GLUT5 Antibody (Glucose transporter 5) (R30827)

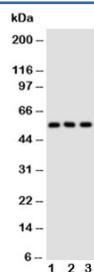
Catalog No.	Formulation	Size
R30827	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug



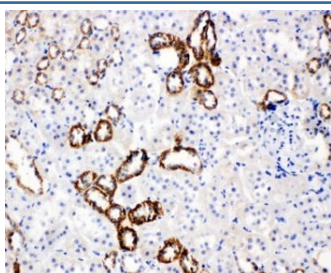
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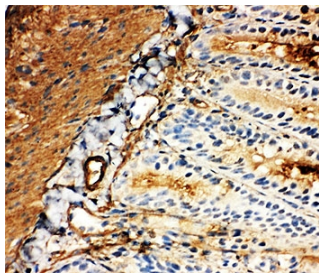
Availability	1-3 business days
Species Reactivity	Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	Q9WV38
Localization	Cytoplasmic, membranous
Applications	Western Blot : 0.5-1ug/ml IHC (FFPE) : 0.5-1ug/ml IHC (Frozen) : 0.5-1ug/ml
Limitations	This GLUT5 antibody is available for research use only.



Western blot testing of GLUT5 antibody and Lane 1: rat kidney; 2: rat liver; 3: mouse kidney tissue lysate. Expected/observed molecular weight ~55 kDa.



IHC-P: GLUT5 antibody testing of rat kidney tissue



IHC-F: GLUT5 antibody testing of rat intestine tissue

## Description

Glucose transporter 5, also known as SLC2A5 and GLUT5, is a fructose transporter expressed on the apical border of enterocytes in the small intestine, and is likely the primary route for dietary fructose uptake. By forming an aqueous pore across the cell membrane, 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.

## Application Notes

Titration of the GLUT5 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

An amino acid sequence from the middle region of mouse Glucose Transporter 5 (ALQTLRGWKDVHLEMEEIRK) was used as the immunogen for this GLUT5 antibody.

## Storage

The lyophilized GLUT5 antibody can be stored at 4°C. After reconstitution, aliquot and store at -20°C. Avoid repeated freezing and thawing.