

## Glut5 Polyclonal Antibody

<b>Catalog No :</b>	YT5388
<b>Reactivity :</b>	Human;Rat;Mouse;
<b>Applications :</b>	WB;ELISA
<b>Target :</b>	Glut5
<b>Fields :</b>	>>Carbohydrate digestion and absorption
<b>Gene Name :</b>	SLC2A5
<b>Protein Name :</b>	Solute carrier family 2 facilitated glucose transporter member 5
<b>Human Gene Id :</b>	6518
<b>Human Swiss Prot No :</b>	P22732
<b>Mouse Swiss Prot No :</b>	Q9WV38
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from the N-terminal region of human SLC2A5. AA range:31-80
<b>Specificity :</b>	Glut5 Polyclonal Antibody detects endogenous levels of Glut5 protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. ELISA: 1:20000. Not yet tested in other applications.
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)

**Observed Band :** 55kD

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**Background :** The protein encoded by this gene is a fructose transporter responsible for fructose uptake by the small intestine. The encoded protein also is necessary for the increase in blood pressure due to high dietary fructose consumption. [provided by RefSeq, Jun 2016],

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**Function :** function:Cytochalasin B-sensitive carrier. Seems to function primarily as a fructose transporter.,induction:By forskolin (in Caco-2 cells),,mass spectrometry:PubMed:11840567,similarity:Belongs to the major facilitator superfamily. Sugar transporter (TC 2.A.1.1) family. Glucose transporter subfamily.,tissue specificity:Expressed in small intestine, and at much lower levels in kidney, skeletal muscle, and adipose tissue.,

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**Subcellular Location :** Apical cell membrane ; Multi-pass membrane protein . Cell membrane ; Multi-pass membrane protein . Cell membrane, sarcolemma . Localized on the apical membrane of jejunum villi, but also on lateral plasma membranes of the villi. Transport to the cell membrane is dependent on RAB11A. .

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**Expression :** Detected in skeletal muscle, and in jejunum brush border membrane and basolateral membrane (at protein level) (PubMed:7619085). Expressed in small intestine, and at much lower levels in kidney, skeletal muscle, and adipose tissue.

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**Sort :** 6642

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**No4 :** 1

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**Host :** Rabbit

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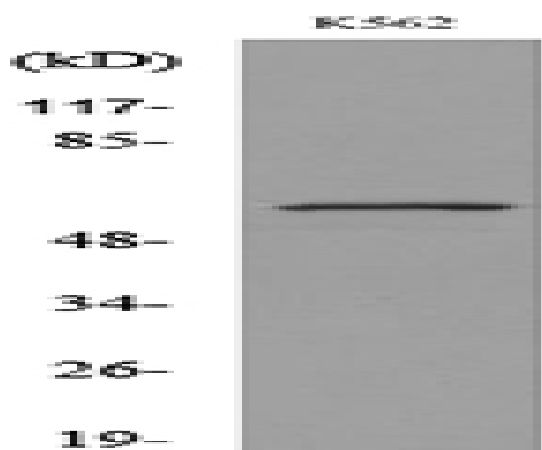
**Modifications :** Unmodified

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## Products Images



Western Blot analysis of K562 cells using Glut5 Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Western blot analysis of lysate from K562 cells, using SLC2A5 Antibody.