



# GTR8 Monoclonal Antibody

<b>Catalog No</b>	BYmab-06224
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Rat;Mouse
<b>Applications</b>	WB
<b>Gene Name</b>	SLC2A8 GLUT8 GLUTX1
<b>Protein Name</b>	Solute carrier family 2, facilitated glucose transporter member 8 (Glucose transporter type 8) (GLUT-8) (Glucose transporter type X1)
<b>Immunogen</b>	Synthesized peptide derived from human protein . at AA range: 230-310
<b>Specificity</b>	GTR8 Monoclonal Antibody detects endogenous levels of protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
<b>Source</b>	Monoclonal, Mouse,IgG
<b>Purification</b>	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	
<b>Observed Band</b>	52kD
<b>Cell Pathway</b>	Cell membrane ; Multi-pass membrane protein . Cytoplasmic vesicle membrane ; Multi-pass membrane protein . Principally intracellular. May move between intracellular vesicles and the plasma membrane. The dileucine internalization motif is critical for intracellular sequestration. .
<b>Tissue Specificity</b>	Highly expressed in testis, but not in testicular carcinoma. Lower amounts present in most other tissues.
<b>Function</b>	function:Insulin-regulated facilitative glucose transporter. Binds cytochalasin B in a glucose-inhibitable manner. Seems to be a dual-specific sugar transporter as it is inhibitable by fructose.,induction:In testis, down-regulated by estrogen.,similarity:Belongs to the major facilitator superfamily. Sugar transporter (TC 2.A.1.1) family. Glucose transporter subfamily.,subcellular location:Principally intracellular. May move between intracellular vesicles and the plasma membrane. The dileucine internalization motif is critical for intracellular sequestration.,tissue specificity:Highly expressed in testis, but not in testicular carcinoma. Lower amounts present in most other tissues.,

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**Background**

This gene belongs to the solute carrier 2A family, which includes intracellular glucose transporters. Based on sequence comparison, the glucose transporters are grouped into three classes and this gene is a member of class II. The encoded protein, like other members of the family, contains several conserved residues and motifs and 12 transmembrane domains with both amino and carboxyl ends being on the cytosolic side of the membrane. Alternatively spliced transcript variants have been described for this gene. [provided by RefSeq, Nov 2012],

**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images