

**GLUT2 Antibody**  
Rabbit mAb  
Catalog # AP90813

## Specification

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### GLUT2 Antibody - Product Information

Application	WB
Primary Accession	<a href="#">P11168</a>
Clonality	Monoclonal
<b>Other Names</b>	
liver; Glucose Transporter 2; Glucose Transporter GLUT2; Glucose transporter type 2; Glucose transporter, liver/islet; GLUT2; GTT2; SLC2A2;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	57490 Da

### GLUT2 Antibody - Additional Information

Purification	<b>Affinity-chromatography</b>
Immunogen	<b>A synthesized peptide derived from human GLUT2</b>
Description	<b>Glucose is fundamental to the metabolism of mammalian cells. Its passage across cell membranes is mediated by a family of transporters termed glucose transporters or Gluts. Facilitative glucose transporter. This isoform likely mediates the bidirectional transfer of glucose across the plasma membrane of hepatocytes and is responsible for uptake of glucose by the beta cells.</b>
Storage Condition and Buffer	<b>Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.</b>

### GLUT2 Antibody - Protein Information

Name SLC2A2 ([HGNC:11006](#))

#### Function

Facilitative hexose transporter that mediates the transport of glucose, fructose and galactose (PubMed: [16186102](http://www.uniprot.org/citations/16186102)), PubMed: [23396969](http://www.uniprot.org/citations/23396969), PubMed: [28083649](http://www.uniprot.org/citations/28083649), PubMed: [8027028](http://www.uniprot.org/citations/8027028), PubMed: [8457197](http://www.uniprot.org/citations/8457197)).

Likely mediates the bidirectional transfer of glucose across the plasma membrane of hepatocytes and is responsible for uptake of glucose by the beta cells; may comprise part of the glucose-sensing mechanism of the beta cell (PubMed:<a href="http://www.uniprot.org/citations/8027028" target="\_blank">8027028</a>). May also participate with the Na(+)/glucose cotransporter in the transcellular transport of glucose in the small intestine and kidney (PubMed:<a href="http://www.uniprot.org/citations/3399500" target="\_blank">3399500</a>). Also able to mediate the transport of dehydroascorbate (PubMed:<a href="http://www.uniprot.org/citations/23396969" target="\_blank">23396969</a>).

#### Cellular Location

Cell membrane; Multi-pass membrane protein

#### Tissue Location

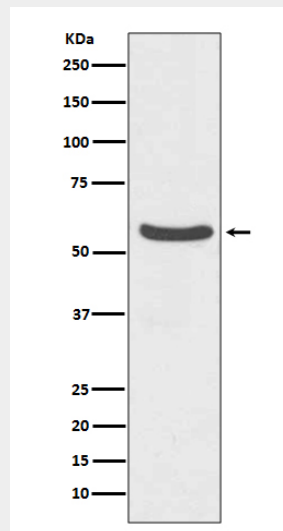
Liver, insulin-producing beta cell, small intestine and kidney.

### GLUT2 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### GLUT2 Antibody - Images



Western blot analysis of GLUT2 expression in HepG2 cell lysate.