

GLUT2 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51867

Specification

GLUT2 Antibody - Product Information

Application	WB, E
Primary Accession	P11168
Reactivity	Human, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	57 KDa

GLUT2 Antibody - Additional Information

Gene ID 6514

Other Names

Solute carrier family 2, facilitated glucose transporter member 2, Glucose transporter type 2, liver, GLUT-2, SLC2A2, GLUT2

Format

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage

Store at -20 °C. Stable for 12 months from date of receipt

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: [8027028](http://www.uniprot.org/citations/8027028)). May also participate with the Na(+)/glucose cotransporter in the transcellular transport of glucose in the small intestine and kidney (PubMed: [3399500](http://www.uniprot.org/citations/3399500)). Also able to mediate the transport of dehydroascorbate (PubMed: [23396969](http://www.uniprot.org/citations/23396969)).

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**GLUT2 Antibody - Background**

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; may comprise part of the glucose-sensing mechanism of the beta cell. May also participate with the Na(+)/glucose cotransporter in the transcellular transport of glucose in the small intestine and kidney.

GLUT2 Antibody - References

Fukumoto H., et al. Proc. Natl. Acad. Sci. U.S.A. 85:5434-5438(1988).
Ota T., et al. Nat. Genet. 36:40-45(2004).
Mural R.J., et al. Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
Matsubara A., et al. J. Clin. Endocrinol. Metab. 80:3131-3135(1995).
Tanizawa Y., et al. Diabetologia 37:420-427(1994).