

GLUT2 Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51867

Product Information

Application	WB
Primary Accession	P11168
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	57490

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
Dilution	WB~~1:1000
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

Protein Information

Name	SLC2A2 (HGNC:11006)
Function	Facilitative hexose transporter that mediates the transport of glucose, fructose and galactose (PubMed: 16186102 , PubMed: 23396969 , PubMed: 28083649 , PubMed: 8027028 , PubMed: 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 beta cells (PubMed: 8027028). May also participate with the Na(+)/glucose cotransporter in the transcellular transport of glucose in the small intestine and kidney (PubMed: 3399500). Also able to mediate the transport of dehydroascorbate and urate (PubMed: 23396969 , PubMed: 40209957).
Cellular Location	Cell membrane; Multi-pass membrane protein
Tissue Location	Liver, insulin-producing beta cell, small intestine and kidney.

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.

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).

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