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Anti-GLUT2 Antibody

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	GLUT2; Solute carrier family 2, facilitated glucose transporter member 2; Glucose transporter type 2, liver; GLUT-2
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human GLUT2. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

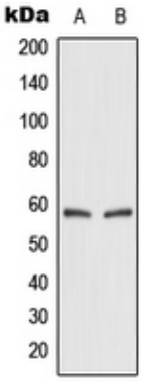
Protein Information

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.

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).

Images



Western blot analysis of GLUT2 expression in HEK293T (A), rat kidney (B) whole cell lysates. (Predicted band size: 44; 57 kD; Observed band size: 57 kD)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.