

GLUT2 Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP51867

Product Information

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

Additional Information

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|-------------|---|
| 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

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|-------------------|---|
| 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 the beta cell (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 (PubMed: 23396969). |
| 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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