

# GLUT2 Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP51867

## Product Information

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Application	WB
Primary Accession	<a href="#">P11168</a>
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 ( <a href="#">HGNC:11006</a> )
Function	Facilitative hexose transporter that mediates the transport of glucose, fructose and galactose (PubMed: <a href="#">16186102</a> , PubMed: <a href="#">23396969</a> , PubMed: <a href="#">28083649</a> , PubMed: <a href="#">8027028</a> , PubMed: <a href="#">8457197</a> ). 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="#">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="#">3399500</a> ). Also able to mediate the transport of dehydroascorbate (PubMed: <a href="#">23396969</a> ).
Cellular Location	Cell membrane; Multi-pass membrane protein
Tissue Location	Liver, insulin-producing beta cell, small intestine and kidney.

## Background

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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

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Ota T.,et al.Nat. Genet. 36:40-45(2004).  
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