

**GLUT2 (SLC2A2) Antibody (N-term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP1489a****Specification**

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**GLUT2 (SLC2A2) Antibody (N-term) - Product Information**

Application	FC, WB,E
Primary Accession	<a href="#">P11168</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	31-60

**GLUT2 (SLC2A2) Antibody (N-term) - 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

**Target/Specificity**

This GLUT2 (SLC2A2) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 31-60 amino acids from the N-terminal region of human GLUT2 (SLC2A2).

**Dilution**

FC~~1:10~50

WB~~1:1000

E~~Use at an assay dependent concentration.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

GLUT2 (SLC2A2) Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**GLUT2 (SLC2A2) Antibody (N-term) - 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 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**

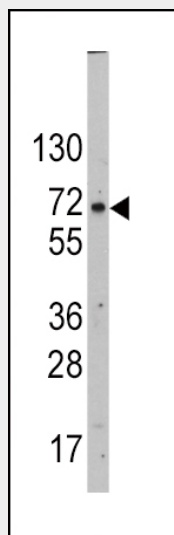
Liver, insulin-producing beta cell, small intestine and kidney.

**GLUT2 (SLC2A2) Antibody (N-term) - Protocols**

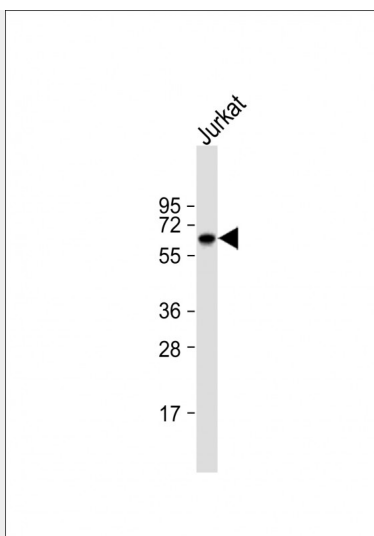
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

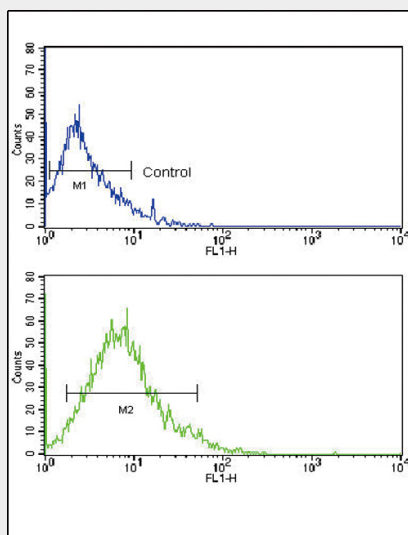
**GLUT2 (SLC2A2) Antibody (N-term) - Images**



Western blot analysis of SLC2A2 Antibody (N-term) (Cat.#AP1489a) in HepG2 cell line lysates (35ug/lane). SLC2A2 (arrow) was detected using the purified Pab.



Anti-SLC2A2 Antibody (N-term) at 1:1000 dilution + Jurkat whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 57 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Flow cytometric analysis of HL-60 cells using GLUT2 (SLC2A2) Antibody (N-term) (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

### GLUT2 (SLC2A2) Antibody (N-term) - Background

Glucose transporter 2 isoform is an integral plasma membrane glycoprotein of the liver, islet beta cells, intestine, and kidney epithelium. It mediates facilitated bidirectional glucose transport. Because of its low affinity for glucose, it has been suggested as a glucose sensor.

### GLUT2 (SLC2A2) Antibody (N-term) - References

Freitas, H.S., Nephron Physiol 105 (3), P42-P51 (2007) Laukkanen, O., Diabetes 54 (7), 2256-2260 (2005) Roncero, I., J. Neurochem. 88 (5), 1203-1210 (2004)

### GLUT2 (SLC2A2) Antibody (N-term) - Citations

- [Effects of dietary glucose and sodium chloride on intestinal glucose absorption of common carp \(Cyprinus carpio L.\).](#)

