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GLUT2 Antibody

Rabbit mAb
Catalog # AP90813

Product Information

Application	WB
Primary Accession	P11168
Reactivity	Human
Clonality	Monoclonal
Other Names	liver; Glucose Transporter 2; Glucose Transporter GLUT2; Glucose transporter type 2; Glucose transporter, liver/islet; GLUT2; GTT2; SLC2A2;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	57490

Additional Information

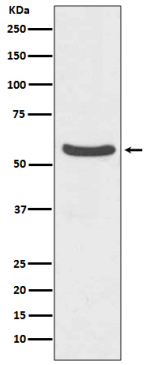
Dilution	WB 1:1000~1:2000
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human GLUT2
Description	Glucose is fundamental to the metabolism of mammalian cells. Its passage across cell membranes is mediated by a family of transporters termed glucose transporters or Gluts. 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.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

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.

Images



Western blot analysis of GLUT2 expression in HepG2 cell lysate.