

GLUT2 Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 250672

Unit: 0.1 mg

Description:

Glucose transporter type 2 (GLUT2 or SLC2A2) is a 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. GLUT2 is also part of the glucose-sensing mechanism of the beta cell and participate with the Na⁺/glucose cotransporter in the transcellular transport of glucose in the small intestine and kidney. Defects in GLUT2 are the cause of Fanconi-Bickel syndrome, characterized by hepatorenal glycogen accumulation, proximal renal tubular dysfunction, and impaired utilization of glucose and galactose.

Isotype: Rabbit Ig

Applications: E, IHC, WB

Species Reactivity: H, Mk, M, P, R

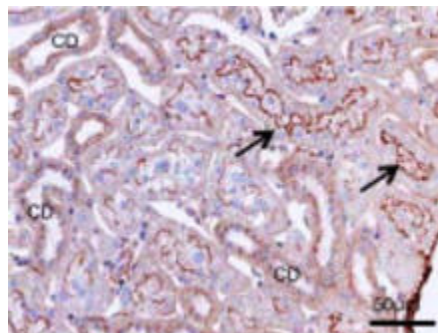
Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4 with 0.09% sodium azide. Antibody was purified by Protein-G affinity chromatography.

Alternate Names: Solute carrier family 2 facilitated glucose transporter member 2; Glucose transporter type 2 liver; GLUT-2; SLC2A2; GLUT2

Accession No.: P11168

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human GLUT2.

Application Notes: E: 1:500-1:1,000; WB: 1:200-1:500; IHC: 1:200-1:500



GLUT2 staining in rat kidney. Formalin-fixed paraffin-embedded rat kidney is stained with GLUT2 Antibody (Cat. No. 250672) used at 1:200 dilution. Data from Nakayama T. et al. 2010.

Storage: Store at -20°C. Minimize freeze-thaw cycles. Product is guaranteed one year from the date of shipment.

Product Citations: Nakayama T. et al. 2010. Am. J. Physiol. Renal Physiol. 298: F712-F720. PMID# 20071464.

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