Leader in Biomolecular Solutions for Life Science

GLUT2/SLC2A2 Rabbit pAb

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Catalog No.: A9843   **7 Publications**

Basic Information

Observed MW

Calculated MW
57kDa

Category
Polyclonal Antibody

Applications
WB,IHC-P,IF/ICC,ELISA

Cross-Reactivity
Human,Mouse,Rat

Background

This gene encodes an integral plasma membrane glycoprotein of the liver, islet beta cells, intestine, and kidney epithelium. The encoded protein mediates facilitated bidirectional glucose transport. Because of its low affinity for glucose, it has been suggested as a glucose sensor. Mutations in this gene are associated with susceptibility to diseases, including Fanconi-Bickel syndrome and noninsulin-dependent diabetes mellitus (NIDDM). Alternative splicing results in multiple transcript variants of this gene.

Recommended Dilutions

WB	1:100 - 1:500
IF/ICC	1:50 - 1:200
IHC-P	1:50 - 1:200

Immunogen Information

Gene ID
6514

Swiss Prot
P11168

Immunogen
A synthetic peptide corresponding to a sequence within amino acids 1-100 of human GLUT2/GLUT2/SLC2A2 (NP_000331.1).

Synonyms
GLUT2; GLUT2/SLC2A2

Contact

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Product Information

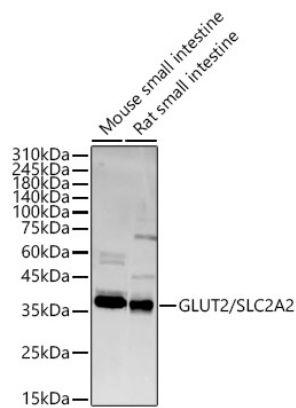| **Source**	**Isotype**	**Purification**
Rabbit	IgG	Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

Validation Data

Western blot analysis of various lysates, using GLUT2/SLC2A2 Rabbit pAb (A9843) at 1:500 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25μg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90s.
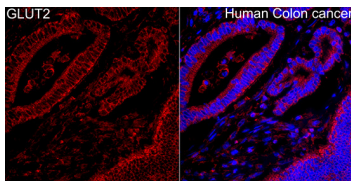
Immunofluorescence analysis of paraffin-
embedded Human colon cancer
using GLUT2/SLC2A2 Rabbit pAb(A9843)
at a dilution of 1:150 (40x lens). Secondary
antibody:Cy3 Goat Anti-Rabbit IgG
(H+L)(AS007) at 1:500 dilution. Blue: DAPI
for nuclear staining.Perform high pressure
antigen retrieval with 0.01 M citrate buffer
(pH 6.0) prior to IF staining.