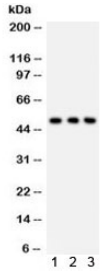
SLC2A2 Antibody (R31942)

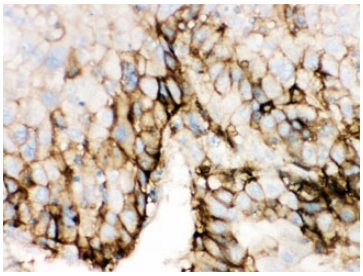
Catalog No.	Formulation	Size
R31942	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	P11168
Localization	Membrane
Applications	Western Blot : 0.1-0.5ug/ml IHC (FFPE) : 0.5-1ug/ml
Limitations	This SLC2A2 antibody is available for research use only.



Western blot testing of 1) human PANC, 2) A549 and 3) HT1080 lysate with SLC2A2 antibody. Expected molecular weight: 57~70 kDa depending on glycosylation level, observed here at ~50 kDa.



IHC testing of FFPE human liver cancer with SLC2A2 antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.

Description

SLC2A2, also known as Glucose transporter 2 (GLUT2), is a transmembrane carrier protein that enables protein facilitatedglucose movement across cell membranes. 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.

Application Notes

Optimal dilution of the SLC2A2 antibody should be determined by the researcher.

Immunogen

Amino acids ETKGKSFEEIAAEFQKKSGSAHRPKAAVE of human SLC2A2 were used as the immunogen for the SLC2A2 antibody.

Storage

After reconstitution, the SLC2A2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.