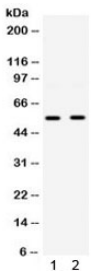
GLUT9 Antibody / Glucose Transporter 9 / SLC2A9 (R32334)

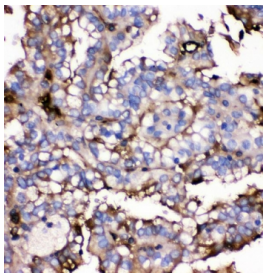
Catalog No.	Formulation	Size
R32334	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

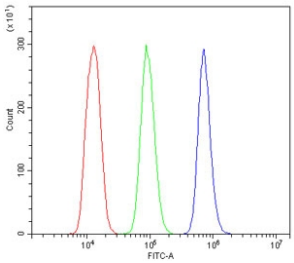
Availability	1-3 business days
Species Reactivity	Human, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	Q9NRM0
Applications	Western blot: 0.1-0.5ug/ml Immunohistochemistry: 1-2ug/ml Immunofluorescence: 2-4ug/ml Flow cytometry: 1-3ug/million cells
Limitations	This GLUT9 antibody is available for research use only.



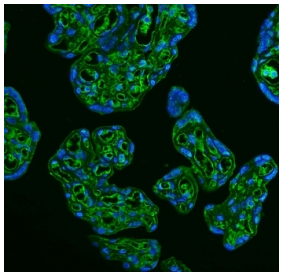
Western blot testing of human 1) HepG2 and 2) A549 cell lysate with GLUT9 antibody. Expected molecular weight: 59/56 kDa (L/S forms).



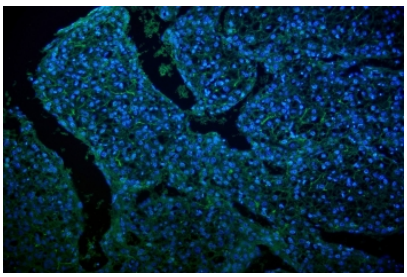
IHC staining of FFPE human renal cancer with GLUT9 antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 20 min and allow to cool before testing.



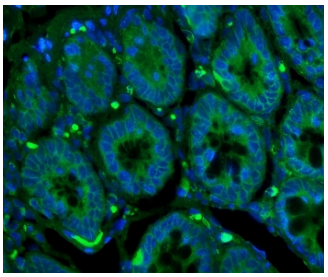
Flow cytometry testing of human U937 cells with GLUT9 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= GLUT9 antibody.



Immunofluorescent staining of human placenta with GLUT9 antibody (green) and DAPI (blue).



Immunofluorescent staining of human liver cancer with GLUT9 antibody (green) and DAPI (blue).



Immunofluorescent staining of rat intestine with GLUT9 antibody (green) and DAPI (blue).

Description

Solute carrier family 2, facilitated glucose transporter member 9, also known as SLC2A9, is a protein that in humans is encoded by the SLC2A9 gene. This gene encodes a member of the SLC2A facilitative glucose transporter family. Members of this family play a significant role in maintaining glucose homeostasis. This gene is mapped to 4p16.1. The encoded protein may play a role in the development and survival of chondrocytes in cartilage matrices. This gene transports urate and fructose. It may have a role in the urate reabsorption by proximal tubules. This gene also transports glucose at low rate.

Application Notes

Optimal dilution of the GLUT9 antibody should be determined by the researcher.

Immunogen

Amino acids EKHNEARAVKAFQTFLGKADVSQEVEEVLAESRVQR of human GLUT9 were used as the immunogen for the GLUT9 antibody.

Storage

After reconstitution, the GLUT9 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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