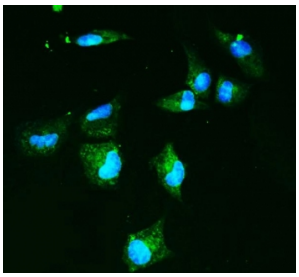
SLC2A9 Antibody / GLUT9 / Glucose Transporter 9 (RQ6072)

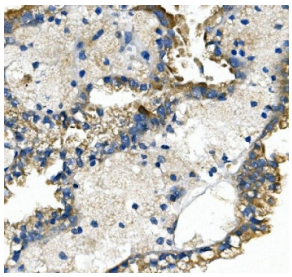
Catalog No.	Formulation	Size
RQ6072	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

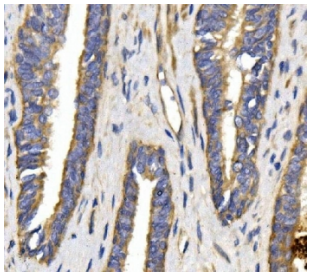
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	Q9NRM0
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry: 1-2ug/ml Immunofluorescence: 2-4ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This SLC2A9 antibody is available for research use only.



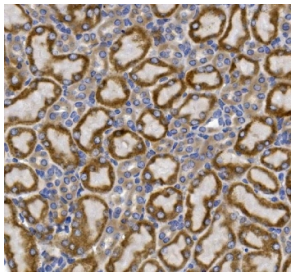
Immunofluorescent staining of FFPE human A549 cells with SLC2A9 antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



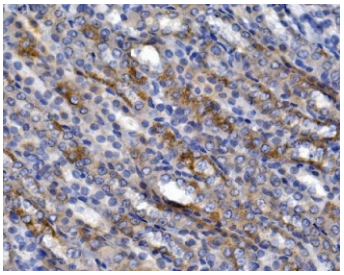
IHC staining of FFPE human renal cancer tissue with SLC2A9 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



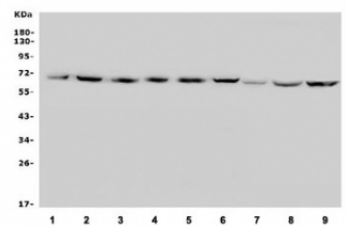
IHC staining of FFPE human prostate cancer tissue with SLC2A9 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



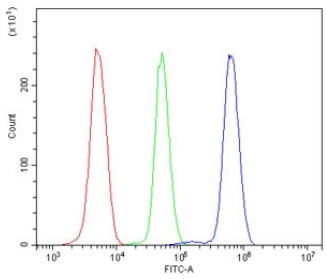
IHC staining of FFPE mouse kidney tissue with SLC2A9 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE rat kidney tissue with SLC2A9 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of human 1) HepG2, 2) HEK293, 3) HEK293 (different lot), 4) A549, 5) A431, 6) HeLa, 7) rat kidney, 8) rat liver and 9) mouse RAW264.7 cell lysate with SLC2A9 antibody. Expected molecular weight: 59/56 kDa (L/S forms).



Flow cytometry testing of human U937 cells with SLC2A9 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= SLC2A9 antibody.

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 SLC2A9 antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids R7-P540) was used as the immunogen for the SLC2A9 antibody.

Storage

After reconstitution, the SLC2A9 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Copyright © NSJ Bioreagents. All rights reserved.