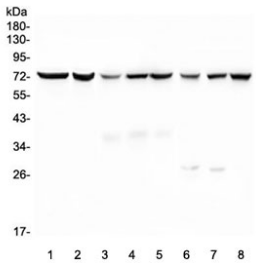
SGLT2 Antibody (RQ5150)

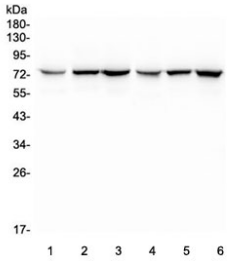
Catalog No.	Formulation	Size
RQ5150	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

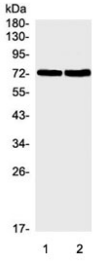
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	P31639
Applications	Western Blot : 0.1-0.5ug/ml Immunohistochemistry (FFPE) : 0.5-1ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This SGLT2 antibody is available for research use only.



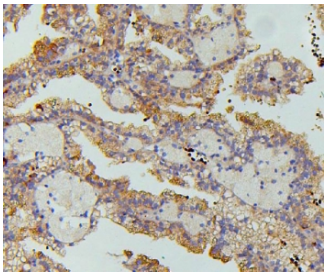
Western blot testing of 1) human HL-60, 2) human ThP-1, 3) rat kidney, 4) rat spleen, 5) rat lung, 6) mouse kidney, 7) mouse spleen and 8) mouse lung lysate with SGLT2 antibody. Predicted molecular weight ~73 kDa.



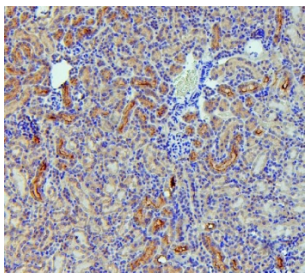
Western blot testing of 1) rat kidney, 2) rat spleen, 3) rat lung, 4) mouse kidney, 5) mouse spleen and 6) mouse lung lysate with SGLT2 antibody. Predicted molecular weight ~73 kDa.



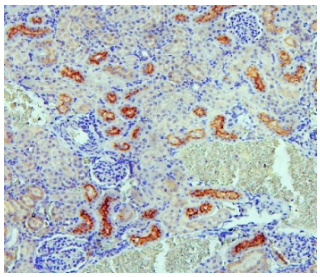
Western blot testing of human 1) HL-60 and 2) ThP-1 cell lysate with SGLT2 antibody. Predicted molecular weight ~73 kDa.



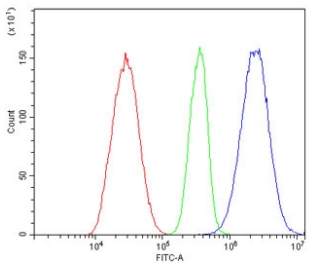
IHC staining of FFPE human renal cancer with SGLT2 antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 20 min and allow to cool before testing.



IHC staining of FFPE mouse kidney with SGLT2 antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 20 min and allow to cool before testing.



IHC staining of FFPE rat kidney with SGLT2 antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 20 min and allow to cool before testing.



Flow cytometry testing of human HepG2 cells with SGLT2 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= SGLT2 antibody.

Description

The sodium/glucose cotransporter 2 (SGLT2) is a protein that in humans is encoded by the SLC5A2 gene. It is mapped to 16p11.2. This gene encodes a member of the sodium glucose cotransporter family which are sodium-dependent glucose transport proteins. The encoded protein is the major cotransporter involved in glucose reabsorption in the kidney. Mutations in this gene are associated with renal glucosuria. Two transcript variants, one protein-coding and one not, have been found for this gene.

Application Notes

Optimal dilution of the SGLT2 antibody should be determined by the researcher.

Immunogen

Amino acids A15-N656 from the human protein were used as the immunogen for the SGLT2 antibody.

Storage

Store the SGLT2 antibody at -20oC.

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