
Product Name: SGLT-2 Rabbit Polyclonal Antibody**Catalog #: APRab17825**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:50-1:300
Molecular Weight	73kDa

Antigen Information

Gene Name	SLC5A2
Alternative Names	SLC5A2; SGLT2; Sodium/glucose cotransporter 2; Na(+)/glucose cotransporter 2; Low affinity sodium-glucose cotransporter; Solute carrier family 5 member 2
Gene ID	6524.0
SwissProt ID	P31639
Immunogen	The antiserum was produced against synthesized peptide derived from human SLC5A2. AA range:101-150

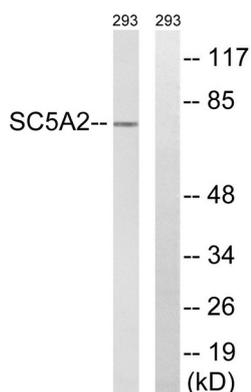
Background

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. [provided by RefSeq, Feb 2015],disease:Defects in SLC5A2 are the cause of renal glucosuria (GLYS1) [MIM:233100]. GLYS1 is an autosomal recessive disorder characterized by a normal fasting serum glucose concentration and persistent isolated glucosuria, with a normal glucose tolerance test.,function:Efficient substrate transport in mammalian kidney is provided by the concerted action of a low affinity high capacity and a high affinity low capacity Na(+)/glucose cotransporter arranged in series along kidney proximal tubules.,function:Sodium-dependent glucose transporter. Has a Na(+) to glucose coupling ratio of 1:1.,similarity:Belongs to the sodium:solute symporter (SSF) (TC 2.A.21) family.,

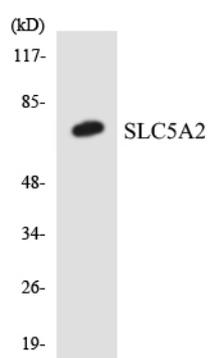
Research Area

Signal Transduction; Metabolism; Plasma Membrane; Channels

Image Data



Western blot analysis of lysates from 293 cells, using SLC5A2 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from Jurkat cells using SLC5A2 antibody.