ARG66450
anti-SGLT2 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes SGLT2
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	SGLT2
Species	Human
Immunogen	KLH-conjugated synthetic peptide within the center region of Human SGLT2.
Conjugation	Un-conjugated
Alternate Names	Na; Solute carrier family 5 member 2; Sodium/glucose cotransporter 2; SGLT2; Low affinity sodium-glucose cotransporter

Application Instructions

Application table

Application	Dilution
IHC-P	1:50 - 1:100
WB	1:500 - 1:1000

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

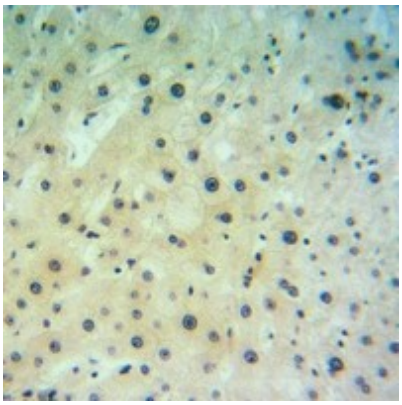
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.42% Potassium phosphate (pH 7.3), 0.87% NaCl, 0.01% Sodium azide and 30% Glycerol.
Preservative	0.01% Sodium azide
Stabilizer	30% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

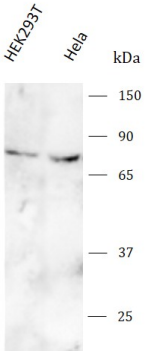
Gene Symbol	SLC5A2
Gene Full Name	solute carrier family 5 (sodium/glucose cotransporter), member 2
Background	This gene encodes a member of the sodium glucose cotransporter family which are sodium-dependent glucose transport proteins. The encoded protein is the major cotransporter involved in glucose 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]
Function	Sodium-dependent glucose transporter. Has a Na(+) to glucose coupling ratio of 1:1. 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. [UniProt]
Calculated Mw	73 kDa
Cellular Localization	Membrane; Multi-pass membrane protein. [UniProt]

Images



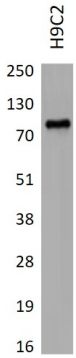
ARG66450 anti-SGLT2 antibody IHC-P image

Immunohistochemistry: Human liver cancer stained with ARG66450 anti-SGLT2 antibody.



ARG66450 anti-SGLT2 antibody WB image

Western blot: HEK293T and Hela stained with ARG66450 anti-SGLT2 antibody.



ARG66450 anti-SGLT2 antibody WB image

Western blot: H9C2 whole cell lysate stained with ARG66450 anti-SGLT2 antibody.