

## ARG10837 anti-SGLT1 antibody

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes SGLT1
Tested Reactivity	Hu, Ms, Rat, Bb, Mk, Pig
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	SGLT1
Species	Human
Immunogen	Synthetic peptide around aa. 402-422 of Human SGLT1.
Conjugation	Un-conjugated
Alternate Names	NAGT; D22S675; SGLT1; Sodium/glucose cotransporter 1; High affinity sodium-glucose cotransporter; Solute carrier family 5 member 1

### Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50 - 1:250
	IHC-P	1:50 - 1:250
	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.

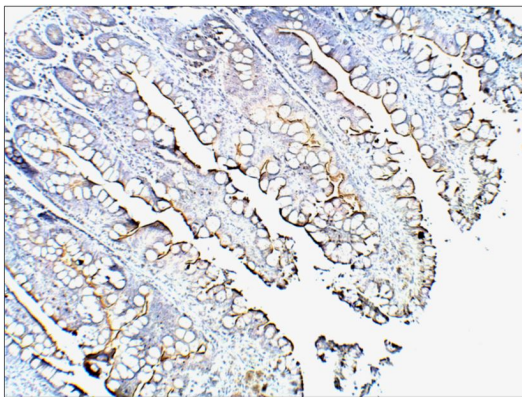
### Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	Tris, HCl / Glycine buffer (pH 7.4 - 7.8), Hepes, 0.02% Sodium azide, 30% Glycerol and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	30% Glycerol and 0.5% BSA
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

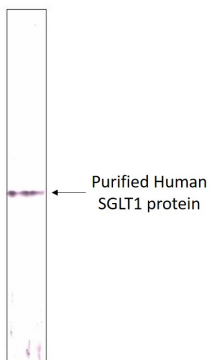
Gene Symbol	SLC5A1
Gene Full Name	solute carrier family 5 (sodium/glucose cotransporter), member 1
Background	This gene encodes a member of the sodium-dependent glucose transporter (SGLT) family. The encoded integral membrane protein is the primary mediator of dietary glucose and galactose uptake from the intestinal lumen. Mutations in this gene have been associated with glucose-galactose malabsorption. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2012]
Function	Actively transports glucose into cells by Na(+) cotransport with a Na(+) to glucose coupling ratio of 2:1. 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
PTM	N-glycosylation is not necessary for the cotransporter function.

## Images



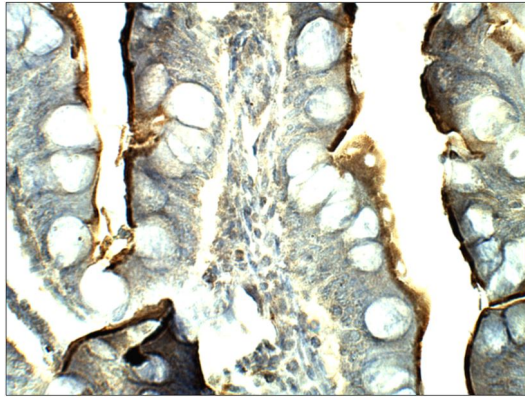
ARG10837 anti-SGLT1 antibody IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Baboon small intestine stained with ARG10837 anti-SGLT1 antibody at 1:50 dilution. DAB (brown) staining and Hematoxylin QS (blue) counterstain. 10X magnification.



ARG10837 anti-SGLT1 antibody WB image

Western blot: Purified Human SGLT1 protein stained with ARG10837 anti-SGLT1 antibody at 1:500 dilution. Apparent MW is 70 - 74 kDa.



ARG10837 anti-SGLT1 antibody IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Baboon small intestine stained with ARG10837 anti-SGLT1 antibody at 1:50 dilution. DAB (brown) staining and Hematoxylin QS (blue) counterstain. 40X magnification.