

SLC5A2 / SGLT2 Antibody (C-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS10592**Specification**

SLC5A2 / SGLT2 Antibody (C-Terminus) - Product Information

Application	IHC
Primary Accession	P31639
Reactivity	Human, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	73kDa KDa

SLC5A2 / SGLT2 Antibody (C-Terminus) - Additional Information**Gene ID** 6524**Other Names**

Sodium/glucose cotransporter 2, Na(+)/glucose cotransporter 2, Low affinity sodium-glucose cotransporter, Solute carrier family 5 member 2, SLC5A2, SGLT2

Target/Specificity

Human SLC5A2. BLAST analysis of the peptide immunogen showed no homology with other human proteins.

Reconstitution & Storage

Long term: -70°C; Short term: +4°C

Precautions

SLC5A2 / SGLT2 Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

SLC5A2 / SGLT2 Antibody (C-Terminus) - Protein Information**Name** SLC5A2 {ECO:0000303|PubMed:14614622}**Function**

Electrogenic Na(+)-coupled sugar symporter that actively transports D-glucose at the plasma membrane, with a Na(+) to sugar coupling ratio of 1:1. Transporter activity is driven by a transmembrane Na(+) electrochemical gradient set by the Na(+)/K(+) pump (PubMed:20980548, PubMed:28592437, PubMed:34880493). Has a primary role in D-glucose reabsorption from glomerular filtrate across the brush border of the early proximal tubules of the kidney (By similarity).

Cellular Location

Apical cell membrane {ECO:0000250|UniProtKB:Q923I7}; Multi-pass membrane protein

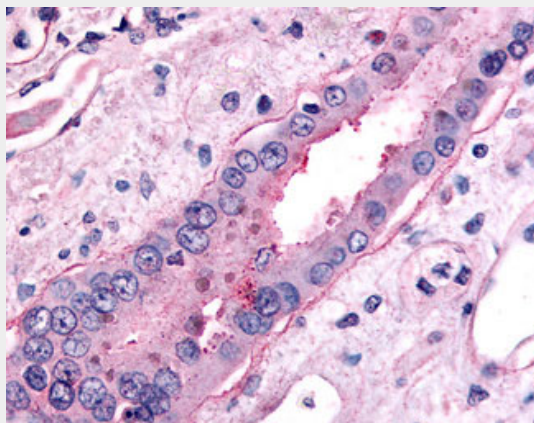
Volume
50 µl

SLC5A2 / SGLT2 Antibody (C-Terminus) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

SLC5A2 / SGLT2 Antibody (C-Terminus) - Images



Anti-SLC5A2 antibody ALS10592 IHC of human kidney, collecting duct.

SLC5A2 / SGLT2 Antibody (C-Terminus) - Background

Sodium-dependent glucose transporter. Has a Na(+) to glucose coupling ratio of 1:1.

SLC5A2 / SGLT2 Antibody (C-Terminus) - References

Wells R.G., et al. Am. J. Physiol. 263:F459-F465(1992).
Martin J., et al. Nature 432:988-994(2004).
Calado J., et al. Hum. Genet. 114:314-316(2004).