

**SLC5A4 / SGLT2 Antibody (C-Terminus)**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS10585**

**Specification**

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**SLC5A4 / SGLT2 Antibody (C-Terminus) - Product Information**

Application	IHC
Primary Accession	<a href="#">O9NY91</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	72kDa KDa

**SLC5A4 / SGLT2 Antibody (C-Terminus) - Additional Information**

**Gene ID** 6527

**Other Names**

Low affinity sodium-glucose cotransporter, Sodium/glucose cotransporter 3, Na(+)/glucose cotransporter 3, Solute carrier family 5 member 4, SLC5A4, SAAT1, SGLT2

**Target/Specificity**

Human SLC5A4. BLAST analysis of the peptide immunogen showed no homology with other human proteins.

**Reconstitution & Storage**

Long term: -70°C; Short term: +4°C

**Precautions**

SLC5A4 / SGLT2 Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

**SLC5A4 / SGLT2 Antibody (C-Terminus) - Protein Information**

**Name** SLC5A4 {ECO:0000303|PubMed:13130073}

**Function**

Does not function as sodium/D-glucose symporter (PubMed:<a href="http://www.uniprot.org/citations/13130073" target="\_blank">13130073</a>, PubMed:<a href="http://www.uniprot.org/citations/20421923" target="\_blank">20421923</a>, PubMed:<a href="http://www.uniprot.org/citations/22766068" target="\_blank">22766068</a>). However, may function as a D-glucose sensor by generating a D-glucose-induced depolarization which is pH-independent, Na(+)-dependent at neutral pH and probably H(+)-dependent at acidic pH (PubMed:<a href="http://www.uniprot.org/citations/13130073" target="\_blank">13130073</a>, PubMed:<a href="http://www.uniprot.org/citations/17110502" target="\_blank">17110502</a>, PubMed:<a href="http://www.uniprot.org/citations/20421923" target="\_blank">20421923</a>, PubMed:<a href="http://www.uniprot.org/citations/22766068" target="\_blank">22766068</a>).

### Cellular Location

Cell membrane; Multi-pass membrane protein

### Tissue Location

Expressed in skeletal muscle, where it may localize to the neuromuscular junction (at protein level) (PubMed:13130073) Expressed in small intestine where it may localize to cholinergic neurons of the submucosal plexus and myenteric plexus (at protein level) (PubMed:13130073). Detected in kidney (at protein level) (PubMed:22766068).

### Volume

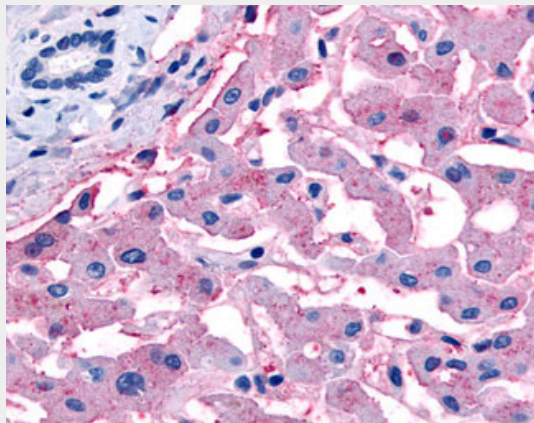
50  $\mu$ l

## SLC5A4 / 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](#)

## SLC5A4 / SGLT2 Antibody (C-Terminus) - Images



Anti-SLC5A4 antibody ALS10585 IHC of human liver.

## SLC5A4 / SGLT2 Antibody (C-Terminus) - Background

Sodium-dependent glucose transporter.

## SLC5A4 / SGLT2 Antibody (C-Terminus) - References

Gorboulev V., et al. Submitted (FEB-2000) to the EMBL/GenBank/DDBJ databases.  
Dunham I., et al. Nature 402:489-495(1999).  
Poppe R., et al. Submitted (DEC-1995) to the EMBL/GenBank/DDBJ databases.