

**SLC5A4 Antibody (C-term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AW5571****Specification**

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**SLC5A4 Antibody (C-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">O9NY91</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	H=72 KDa
Isotype	Rabbit IgG
Antigen Source	HUMAN

**SLC5A4 Antibody (C-term) - Additional Information****Gene ID** 6527**Antigen Region**  
601-635**Other Names**

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

**Dilution**

WB~~1:1000

**Target/Specificity**

This SLC5A4 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 601-635 amino acids from the C-terminal region of human SLC5A4.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

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

**SLC5A4 Antibody (C-term) - Protein Information****Name** SLC5A4 {ECO:0000303|PubMed:13130073}**Function**

Does not function as sodium/D-glucose symporter (PubMed:&lt;a href="http://www.uniprot.org/citations/13130073" target="\_blank"&gt;13130073&lt;/a&gt;, PubMed:&lt;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

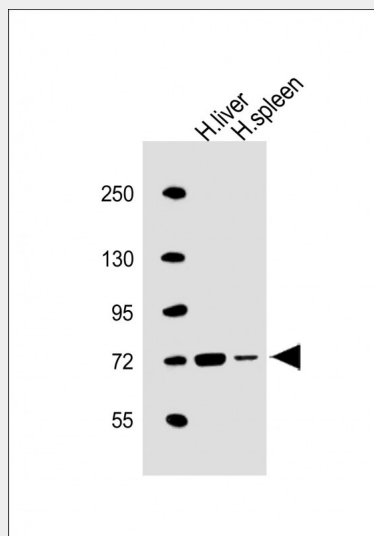
Expressed in skeletal muscle, where it may localize to the neuromuscular junction (at protein level) (PubMed:13130073) Expressed in small intestine where it may localize to cholinergic neurons of the submucosal plexus and myenteric plexus (at protein level) (PubMed:13130073). Detected in kidney (at protein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

### SLC5A4 Antibody (C-term) - 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 Antibody (C-term) - Images



All lanes : Anti-SLC5A4 Antibody (C-term) at 1:1000 dilution Lane 1: human liver lysate Lane 2: human spleen lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 72 kDa Blocking/Dilution buffer: 5% NFD/MTBST.

**SLC5A4 Antibody (C-term) - Background**

Sodium-dependent glucose transporter.

**SLC5A4 Antibody (C-term) - 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.