

**SLC5A4 antibody - N-terminal region**  
**Rabbit Polyclonal Antibody**  
**Catalog # AI12352****Specification**

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**SLC5A4 antibody - N-terminal region - Product Information**

Application	<b>WB</b>
Primary Accession	<a href="#">O9NY91</a>
Other Accession	<a href="#">NM_014227</a> , <a href="#">NP_055042</a>
Reactivity	<b>Human</b>
Predicted	<b>Human</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Calculated MW	<b>72kDa KDa</b>

**SLC5A4 antibody - N-terminal region - Additional Information****Gene ID** 6527**Alias Symbol** **DJ90G24.4, SAAT1, SGLT3****Other Names**

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

**Format**

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

**Reconstitution & Storage**

Add 100 ul of distilled water. Final anti-SLC5A4 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

**Precautions**

SLC5A4 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

**SLC5A4 antibody - N-terminal region - 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"&gt;20421923&lt;/a&gt;, PubMed:&lt;a href="http://www.uniprot.org/citations/22766068" target="\_blank"&gt;22766068&lt;/a&gt;). 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:&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/17110502" target="\_blank"&gt;17110502&lt;/a&gt;),

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

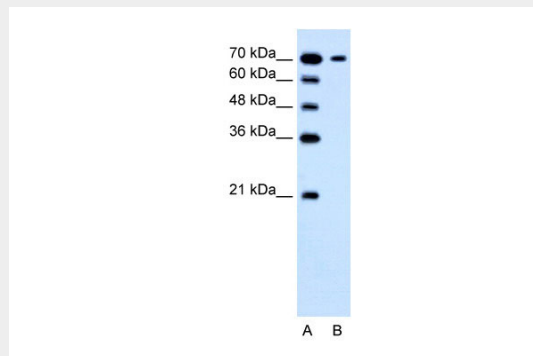
Expressed in skeletal muscle, where it may localize to the neuromuscular junction (at protein level) (PubMed:13130073) Expressed in small intestine where it may localize to cholinergic neurons of the submucosal plexus and myenteric plexus (at protein level) (PubMed:13130073). Detected in kidney (at protein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

### SLC5A4 antibody - N-terminal region - 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 - N-terminal region - Images



WB Suggested Anti-SLC5A4 Antibody Titration: 1.25µg/ml  
Positive Control: Jurkat cell lysate

### SLC5A4 antibody - N-terminal region - References

Li, M.S., (2003) Proc. Natl. Acad. Sci. U.S.A. 100(20), 11753-11758  
Reconstitution and Storage: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.