

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

SLC5A4 antibody - N-terminal region - Product Information

Application	WB
Primary Accession	O9NY91
Other Accession	NM_014227 , NP_055042
Reactivity	Human
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	72kDa KDa

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:13130073, PubMed:20421923, PubMed:22766068). 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:13130073, PubMed:17110502),

PubMed: 20421923,
PubMed: 22766068).

Cellular Location

Cell membrane; Multi-pass membrane protein

Tissue Location

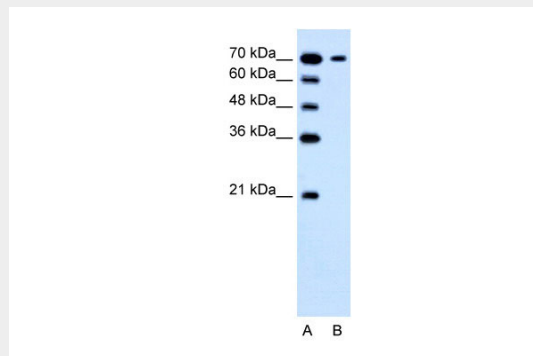
Expressed in skeletal muscle, where it may localize to the neuromuscular junction (at protein level) (PubMed:13130073) Expressed in small intestine where it may localize to cholinergic neurons of the submucosal plexus and myenteric plexus (at protein level) (PubMed:13130073). Detected in kidney (at protein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