

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

Specification

SLC5A4 Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	O9NY91
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: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

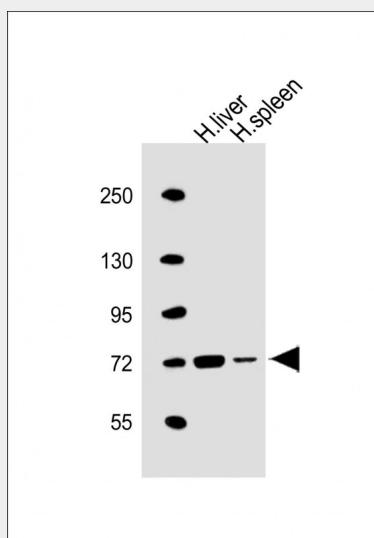
Expressed in skeletal muscle, where it may localize to the neuromuscular junction (at protein level) (PubMed:13130073) Expressed in small intestine where it may localize to cholinergic neurons of the submucosal plexus and myenteric plexus (at protein level) (PubMed:13130073). Detected in kidney (at protein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

SLC5A4 Antibody (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.