

SLC5A9 / SGLT4 Antibody (Cytoplasmic Domain)
Rabbit Polyclonal Antibody
Catalog # ALS10611**Specification**

SLC5A9 / SGLT4 Antibody (Cytoplasmic Domain) - Product Information

Application	IHC
Primary Accession	Q2M3M2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	74kDa KDa

SLC5A9 / SGLT4 Antibody (Cytoplasmic Domain) - Additional Information**Gene ID** 200010**Other Names**

Sodium/glucose cotransporter 4, Na(+)/glucose cotransporter 4, hSGLT4, Solute carrier family 5 member 9, SLC5A9, SGLT4

Target/Specificity

Human SLC5A9. BLAST analysis of the peptide immunogen showed no homology with other human proteins, except SLC5A3 (65%), SLC5A11 (59%).

Reconstitution & Storage

Long term: -70°C; Short term: +4°C

Precautions

SLC5A9 / SGLT4 Antibody (Cytoplasmic Domain) is for research use only and not for use in diagnostic or therapeutic procedures.

SLC5A9 / SGLT4 Antibody (Cytoplasmic Domain) - Protein Information**Name** SLC5A9 {ECO:0000303|PubMed:15607332}**Function**

Electrogenic Na(+)-coupled sugar symporter that may play a primary role in D-mannose and possibly D-fructose and D-glucose transport at the plasma membrane. Transporter activity is driven by a transmembrane Na(+) electrochemical gradient set by the Na(+)/K(+) pump. Exclusively recognizes sugar substrates having a pyranose ring with an axial hydroxyl group on carbon 2.

Cellular Location

Cell membrane; Multi-pass membrane protein

Tissue Location

Expressed in the small intestine, kidney and liver.

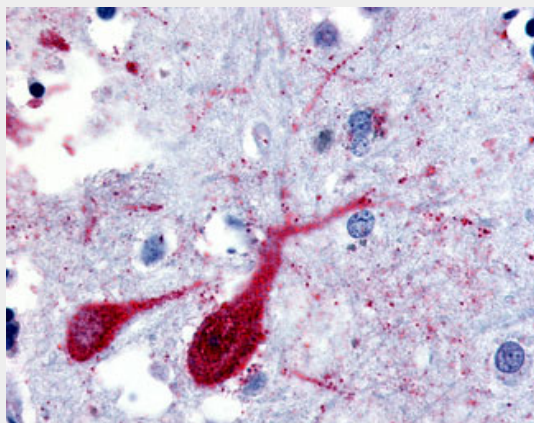
Volume
50 µl

SLC5A9 / SGLT4 Antibody (Cytoplasmic Domain) - 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](#)

SLC5A9 / SGLT4 Antibody (Cytoplasmic Domain) - Images



Anti-SLC5A9 antibody ALS10611 IHC of human brain, cortex.

SLC5A9 / SGLT4 Antibody (Cytoplasmic Domain) - Background

Involved in sodium-dependent transport of D-mannose, D- glucose and D-fructose.

SLC5A9 / SGLT4 Antibody (Cytoplasmic Domain) - References

Tazawa S.,et al.Life Sci. 76:1039-1050(2005).
Gregory S.G.,et al.Nature 441:315-321(2006).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
Van Damme P.,et al.Proc. Natl. Acad. Sci. U.S.A. 109:12449-12454(2012).