

SLC9A7 Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP13243b**Specification**

SLC9A7 Antibody (C-term) Blocking peptide - Product InformationPrimary Accession [Q96T83](#)**SLC9A7 Antibody (C-term) Blocking peptide - Additional Information****Gene ID** 84679**Other Names**

Sodium/hydrogen exchanger 7, Na(+)/H(+) exchanger 7, NHE-7, Solute carrier family 9 member 7, SLC9A7, NHE7

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP13243b was selected from the C-term region of SLC9A7. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

SLC9A7 Antibody (C-term) Blocking peptide - Protein Information**Name** SLC9A7**Synonyms** NHE7**Function**

Golgi Na(+), K(+)/(H+) antiporter. Mediates the electroneutral influx of Na(+) or K(+) in exchange for H(+). May contribute to the regulation of Golgi apparatus volume and pH.

Cellular Location

Golgi apparatus, trans-Golgi network membrane; Multi-pass membrane protein. Recycling endosome membrane; Multi-pass membrane protein. Cell membrane; Multi-pass membrane protein

Tissue Location

Ubiquitously expressed.

SLC9A7 Antibody (C-term) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

SLC9A7 Antibody (C-term) Blocking peptide - Images

SLC9A7 Antibody (C-term) Blocking peptide - Background

Organelles of the secretory and endocytic pathways are distinguished by their luminal acidity, which is generated by the activity of an electrogenic vacuolar-type hydrogen ATPase. Progressive acidification of vesicles in the endocytic pathway is essential for the redistribution and degradation of internalized membrane proteins, such as ligand receptor complexes and fluid-phase solutes. This gene is expressed predominantly in the trans-Golgi network, and mediates the influx of sodium or potassium in exchange for hydrogen. It may thus play an important role in maintaining cation homeostasis and function of the trans-Golgi network. This gene is part of a gene cluster on chromosome Xp11.23.

SLC9A7 Antibody (C-term) Blocking peptide - References

Fukura, N., et al. J. Membr. Biol. 234(3):149-158(2010) Kagami, T., et al. Mol. Membr. Biol. 25(5):436-447(2008) Lin, P.J., et al. J. Cell. Sci. 118 (PT 9), 1885-1897 (2005) :Ross, M.T., et al. Nature 434(7031):325-337(2005) Thiselton, D.L., et al. Genomics 79(4):560-572(2002)