

SLC9A2 Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP12705b**Specification**

SLC9A2 Antibody (C-term) Blocking peptide - Product InformationPrimary Accession [Q9UBY0](#)**SLC9A2 Antibody (C-term) Blocking peptide - Additional Information****Gene ID** 6549**Other Names**

Sodium/hydrogen exchanger 2, Na(+)/H(+) exchanger 2, NHE-2, Solute carrier family 9 member 2, SLC9A2, NHE2

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.

SLC9A2 Antibody (C-term) Blocking peptide - Protein Information**Name** SLC9A2 ([HGNC:11072](#))**Synonyms** NHE2**Function**

Plasma membrane Na(+)/H(+) antiporter. Mediates the electroneutral exchange of intracellular H(+) ions for extracellular Na(+) (PubMed:10444453). Major apical Na(+)/H(+) exchanger in the base of the colonic crypt. Controls in the colonic crypt intracellular pH (pHi) to direct colonic epithelial cell differentiation into the absorptive enterocyte lineage at the expense of the secretory lineage (By similarity).

Cellular Location

Apical cell membrane; Multi-pass membrane protein

Tissue Location

Expressed in skeletal muscle, colon and kidney. Lower levels in the testis, prostate, ovary, and small intestine (PubMed:10444453, PubMed:8843774). In the distal colon, expressed along the cryptal axis (PubMed:8843774).

SLC9A2 Antibody (C-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

SLC9A2 Antibody (C-term) Blocking peptide - Images

SLC9A2 Antibody (C-term) Blocking peptide - Background

SLC9A2 is involved in pH regulation to eliminate acids generated by active metabolism or to counter adverse environmental conditions. Major proton extruding system driven by the inward sodium ion chemical gradient. Seems to play an important role in colonic sodium absorption.

SLC9A2 Antibody (C-term) Blocking peptide - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :Son, E.J., et al. J. Cell. Biochem. 107(5):965-972(2009)Joly, F., et al. Am. J. Physiol. Gastrointest. Liver Physiol. 297 (1), G116-G123 (2009) :Musch, M.W., et al. Am. J. Physiol. Gastrointest. Liver Physiol. 296 (2), G202-G210 (2009) :Beltran, A.R., et al. Pflugers Arch. 455(5):799-810(2008)