

**SLC9A2 Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP12705b****Specification**

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**SLC9A2 Antibody (C-term) - Product Information**

Application	WB, IHC-P,E
Primary Accession	<a href="#">O9UBY0</a>
Other Accession	<a href="#">NP_003039.2</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	91520
Antigen Region	754-783

**SLC9A2 Antibody (C-term) - 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

**Target/Specificity**

This SLC9A2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 754-783 amino acids from the C-terminal region of human SLC9A2.

**Dilution**

WB~~1:1000

IHC-P~~1:10~50

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**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**

SLC9A2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**SLC9A2 Antibody (C-term) - 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

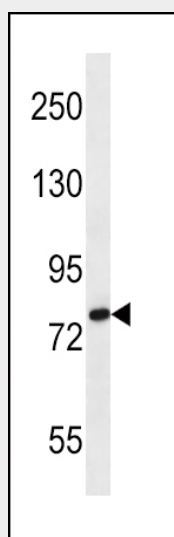
Expressed in skeletal muscle, colon and kidney. Lower levels in the testis, prostate, ovary, and small intestine (PubMed:10444453, PubMed:8843774). In the distal colon, expressed along the cryptal axis (PubMed:8843774).

## SLC9A2 Antibody (C-term) - Protocols

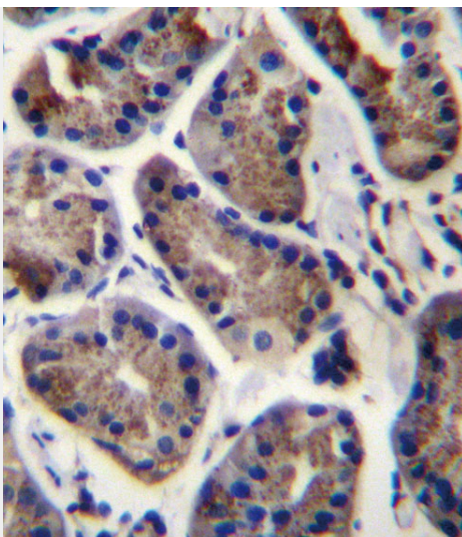
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## SLC9A2 Antibody (C-term) - Images



SLC9A2 Antibody (C-term) (Cat. #AP12705b) western blot analysis in MDA-MB231 cell line lysates (35ug/lane). This demonstrates the SLC9A2 antibody detected the SLC9A2 protein (arrow).



SLC9A2 Antibody (C-term) (Cat. #AP12705b) immunohistochemistry analysis in formalin fixed and paraffin embedded human stomach tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of SLC9A2 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

#### **SLC9A2 Antibody (C-term) - 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) - 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)