10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

SLC9A3 antibody - middle region

Rabbit Polyclonal Antibody
Catalog # AI12337

Product Information

Application	WB
Primary Accession	P48764
Other Accession	NM_004174, NP_004165
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Dog, Bovine, Sheep
Predicted	Human, Mouse, Rat, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	92855

Additional Information

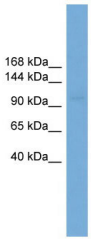
Gene ID	6550
Alias Symbol	MGC126718, MGC126720, NHE3
Other Names	Sodium/hydrogen exchanger 3, Na(+)/H(+) exchanger 3, NHE-3, Solute carrier family 9 member 3, SLC9A3, NHE3
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-SLC9A3 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	SLC9A3 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	SLC9A3 (HGNC:11073)
Function	Plasma membrane Na(+)/H(+) antiporter (PubMed: 18829453, PubMed:26358773, PubMed:35613257). Exchanges intracellular H(+) ions for extracellular Na(+) in 1:1 stoichiometry, playing a key role in salt and fluid absorption and pH homeostasis (By similarity). Major apical Na(+)/H(+) exchanger in kidney and intestine playing an important role in renal and intestine Na(+) absorption and blood pressure regulation (PubMed:24622516, PubMed:26358773).
Cellular Location	Apical cell membrane; Multi-pass membrane protein. Cell membrane; Multi-pass membrane protein. Recycling endosome membrane; Multi-pass

membrane protein. Early endosome membrane; Multi-pass membrane protein. Note=In intestinal epithelial cells, localizes to the ileal brush border. Phosphorylation at Ser-663 by SGK1 is associated with increased abundance at the cell membrane Angiotensin-2 enhances apical expression (By similarity) {ECO:0000250|UniProtKB:Q28362}

Images



WB Suggested Anti-SLC9A3 Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:62500
Positive Control: COLO205 cell lysate

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.