

# SLC9A1 Rabbit mAb

Catalog # AP78709

## Product Information

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Application	WB
Primary Accession	<a href="#">P19634</a>
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Immunogen	A synthesized peptide derived from human Sodium / Hydrogen Exchanger 1
Purification	Affinity Chromatography
Calculated MW	90763

## Additional Information

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Gene ID	6548
Other Names	SLC9A1
Dilution	WB~~1/500-1/1000
Format	Liquid in 10mM PBS, pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

## Protein Information

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Name	SLC9A1 ( <a href="#">HGNC:11071</a> )
Function	<p>Electroneutral Na(+) /H(+) antiporter that extrudes Na(+) in exchange for external protons driven by the inward sodium ion chemical gradient, protecting cells from acidification that occurs from metabolism (PubMed:<a href="#">11350981</a>, PubMed:<a href="#">11532004</a>, PubMed:<a href="#">14680478</a>, PubMed:<a href="#">15035633</a>, PubMed:<a href="#">15677483</a>, PubMed:<a href="#">17073455</a>, PubMed:<a href="#">17493937</a>, PubMed:<a href="#">22020933</a>, PubMed:<a href="#">27650500</a>, PubMed:<a href="#">32130622</a>, PubMed:<a href="#">7110335</a>, PubMed:<a href="#">7603840</a>). Exchanges intracellular H(+) ions for extracellular Na(+) in 1:1 stoichiometry (By similarity). Plays a key role in maintaining intracellular pH neutral and cell volume, and thus is important for cell growth, proliferation, migration and survival (PubMed:<a href="#">12947095</a>, PubMed:<a href="#">15096511</a>, PubMed:<a href="#">22020933</a>, PubMed:<a href="#">8901634</a>). In addition, can transport lithium Li(+) and also functions as a Na(+)/Li(+) antiporter (PubMed:<a href="#">7603840</a>). SLC9A1 also functions in membrane anchoring and organization of scaffolding complexes that</p>

coordinate signaling inputs (PubMed:[15096511](#)).

### Cellular Location

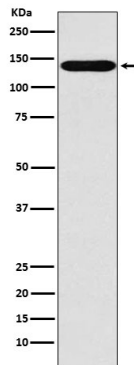
Cell membrane; Multi-pass membrane protein. Basolateral cell membrane {ECO:0000250|UniProtKB:P48762}; Multi-pass membrane protein.  
Note=Localized basolaterally in every epithelial cell, except in the choroid plexus where SLC9A1 is expressed apically.

### Tissue Location

Kidney and intestine.

## Images

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