Datasheet for ABIN1387624

anti-SLC9A3 antibody (pSer552)

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Overview

Quantity:	100 µL
Target:	SLC9A3
Binding Specificity:	pSer552
Reactivity:	Rat, Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SLC9A3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	KLH conjugated synthetic phosphopeptide derived from human NHE-3 around the phosphorylation site of Ser552 [RG(p-S)LA](human Ser555)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.

Target Details

Target:	SLC9A3
Alternative Name:	NHE3 (SLC9A3 Products)

Target Details

Background:	Synonyms: p-NHE-3, Sodium / Hydrogen Exchanger 3 phospho S552, Na+/H+ exchanger 3, NHE 3, NHE-3, NHE3, SL9A3_HUMAN, SLC9A 3, Slc9a3, Sodium/hydrogen exchanger 3, Sodium/hydrogen exchanger, apical epithelial, Solute carrier family 9 sodium/hydrogen exchanger, isoform 3, Solute carrier family 9 sodium/hydrogen exchanger, member 3, Solute carrier family 9 member 3, MGC126718, MGC126720. Background: NHE-3 are integral membrane proteins that are expressed in most mammalian tissues, where they regulate intracellular pH and cell volume. NHEs mediate the transport of hydrogen (H+) ions out of cells in exchange for extracellular sodium (Na+) ions. While NHE-1 is ubiquitously expressed, the NHE isoforms 2-8 have distinct tissue- and cell type-dependent expression and inhibitory characteristics. NHE-3 localizes to the apical membrane of renal proximal tubules where it is responsible for most of the sodium transport and fluid reabsorption. NHE-3 translocates to internal pools where it mediates natriuresis when blood pressure increases abruptly. NHE-3 is also expressed in the stomach and functions to protect the mucosa by secreting protons that diffuse into the mucous cells.
Pathways:	Proton Transport

Application Details

Application Notes:	WB 1:300-5000 IHC-P 1:200-400 IF(IHC-P) 1:50-200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 μg/μL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months