

hydrogen exchanger 3 Antibody HRP Conjugated

Catalog No: #C07587H

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

Product Name	hydrogen exchanger 3 Antibody HRP Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	WB IHC-P IHC-F ICC
Species Reactivity	Hu Ms Rt
Immunogen Description	KLH conjugated synthetic peptide derived from human NHE3
Conjugates	HRP
Target Name	hydrogen exchanger 3
Other Names	Na ⁺ H ⁺ exchanger 3; NHE 3; NHE-3; NHE3; SL9A3_HUMAN; SLC9A 3; Sodium; 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
Excitation Emission	N A
Cell Localization	Extracellular
Concentration	1mg ml
Formulation	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Application Details

WB=1:500-2000 IHC-P=1:50-200 IHC-F=1:50-200 ICC=1:50-200

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.

Note: This product is for in vitro research use only