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Anti-NHE7 Antibody

Catalog # AP54079

Product Information

Application	WB, IF/IC
Primary Accession	Q96T83
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	80131

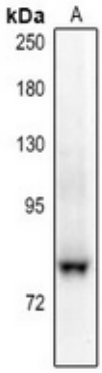
Additional Information

Gene ID	84679
Other Names	NHE7; Sodium/hydrogen exchanger 7; Na(+)/H(+) exchanger 7; NHE-7; Solute carrier family 9 member 7
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human NHE7. The exact sequence is proprietary.
Dilution	WB~~1/500 - 1/1000 IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

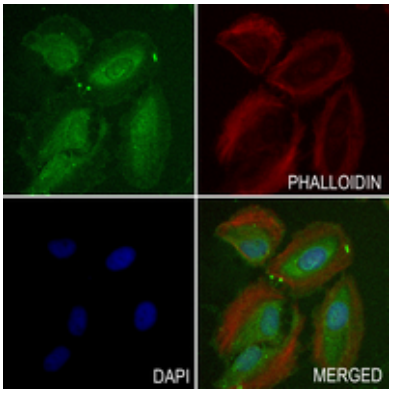
Protein Information

Name	SLC9A7
Synonyms	NHE7
Function	Golgi Na(+), K(+)/(H+) antiporter. Mediates the electoneutral influx of Na(+) or K(+) in exchange for H(+). May contribute to the regulation of Golgi apparatus volume and pH.
Cellular Location	Golgi apparatus, trans-Golgi network membrane; Multi-pass membrane protein. Recycling endosome membrane; Multi-pass membrane protein. Cell membrane; Multi-pass membrane protein
Tissue Location	Ubiquitously expressed.

Images



Western blot analysis of NHE7 expression in mouse brain (A) whole cell lysates. (Predicted band size: 80 kD; Observed band size: 80 kD)



Immunofluorescent analysis of NHE7 staining in A549 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

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