

Datasheet for ABIN2781699  
**anti-NHE7 antibody (N-Term)**[Go to Product page](#)

## 2 Images

## Overview

Quantity:	100 µL
Target:	NHE7 (SLC9A7)
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rabbit, Guinea Pig, Dog, Zebrafish (Danio rerio), Goat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NHE7 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human SLC9A7
Sequence:	LGWGLRVAAA ASASSSGAAA EDSSAMEELA TEKEAEESHR QDSVSLTFI
Predicted Reactivity:	Dog: 100%, Goat: 85%, Guinea Pig: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Zebrafish: 100%
Characteristics:	This is a rabbit polyclonal antibody against SLC9A7. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

## Target Details

Target:	NHE7 (SLC9A7)
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## Target Details

Alternative Name: SLC9A7 ([SLC9A7 Products](#))

Background: Organelles of the secretory and endocytic pathways are distinguished by their luminal acidity, which is generated by the activity of an electrogenic vacuolar-type hydrogen ATPase. Progressive acidification of vesicles in the endocytic pathway is essential for the redistribution and degradation of internalized membrane proteins, such as ligand receptor complexes and fluid-phase solutes. It may play an important role in maintaining cation homeostasis and function of the trans-Golgi network. Organelles of the secretory and endocytic pathways are distinguished by their luminal acidity, which is generated by the activity of an electrogenic vacuolar-type hydrogen ATPase. Progressive acidification of vesicles in the endocytic pathway is essential for the redistribution and degradation of internalized membrane proteins, such as ligand receptor complexes and fluid-phase solutes. This gene is expressed predominantly in the trans-Golgi network, and mediates the influx of sodium or potassium in exchange for hydrogen. It may thus play an important role in maintaining cation homeostasis and function of the trans-Golgi network. This gene is part of a gene cluster on chromosome Xp11.23. Organelles of the secretory and endocytic pathways are distinguished by their luminal acidity, which is generated by the activity of an electrogenic vacuolar-type hydrogen ATPase. Progressive acidification of vesicles in the endocytic pathway is essential for the redistribution and degradation of internalized membrane proteins, such as ligand receptor complexes and fluid-phase solutes. This gene is expressed predominantly in the trans-Golgi network, and mediates the influx of sodium or potassium in exchange for hydrogen. It may thus play an important role in maintaining cation homeostasis and function of the trans-Golgi network. This gene is part of a gene cluster on chromosome Xp11.23.

Alias Symbols: NHE7, SLC9A6

Protein Interaction Partner: UBC, SCAMP5, SCAMP2, SCAMP1, SLC9A7,

Protein Size: 725

Molecular Weight: 80 kDa

Gene ID: 84679

NCBI Accession: [NM\\_032591](#), [NP\\_115980](#)

UniProt: [Q96T83](#)

## Application Details

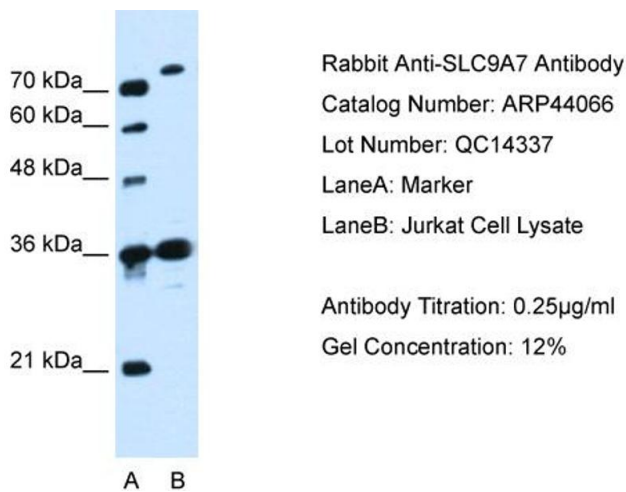
Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 725 AA

## Application Details

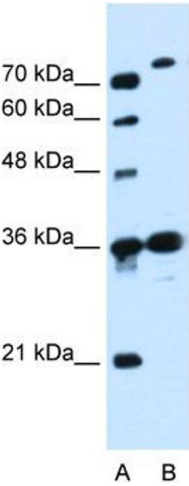
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

## Images



### Western Blotting

**Image 1.** WB Suggested Anti-SLC9A7  
Antibody Titration: 0.2-1 µg/mL ELISA Titer: 1:12500  
Positive Control: Jurkat cell lysate



Western Blotting

**Image 2.** WB Suggested Anti-SLC9A7 Antibody Titration:  
0.2-1 ug/ml ELISA Titer: 1:12500 Positive Control: Jurkat cell lysate