

NHE-7 Polyclonal Antibody

Catalog No :	YT3118
Reactivity :	Human;Mouse;Rat
Applications :	WB;ELISA
Target :	NHE-7
Fields :	>>Cardiac muscle contraction
Gene Name :	SLC9A7
Protein Name :	Sodium/hydrogen exchanger 7
Human Gene Id :	84679
Human Swiss Prot No :	Q96T83
Mouse Gene Id :	236727
Mouse Swiss Prot No :	Q8BLV3
Immunogen :	The antiserum was produced against synthesized peptide derived from human SLC9A7. AA range:531-580
Specificity :	NHE-7 Polyclonal Antibody detects endogenous levels of NHE-7 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. ELISA: 1:10000. Not yet tested in other applications.
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml

Storage Stability : -15°C to -25°C/1 year (Do not lower than -25°C)

Observed Band : 80kD

Background : This gene encodes a sodium and potassium/ proton antiporter that is a member of the solute carrier family 9 protein family. The encoded protein is primarily localized to the trans-Golgi network and is involved in maintaining pH homeostasis in organelles along the secretory and endocytic pathways. This protein may enhance cell growth of certain breast tumors. This gene is part of a gene cluster on chromosome Xp11.23. A pseudogene of this gene is found on chromosome 12. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Mar 2012],

Function : function:Mediates electroneutral exchange of protons for Na(+) and K(+) across endomembranes. May contribute to Golgi volume and cation homeostasis.,miscellaneous:Is not inhibited by amiloride but by benzamil and quinine.,similarity:Belongs to the monovalent cation:proton antiporter 1 (CPA1) transporter (TC 2.A.36) family.,subunit:Interacts with SCAMP1, SCAMP2 and SCAMP5; may participate in its shuttling from trans-Golgi network to recycling endosomes.,tissue specificity:Ubiquitously expressed.,

Subcellular Location : Golgi apparatus, trans-Golgi network membrane ; Multi-pass membrane protein . Recycling endosome membrane ; Multi-pass membrane protein . Cell membrane ; Multi-pass membrane protein .

Expression : Ubiquitously expressed.

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