Datasheet for ABIN317937

anti-NHE7 antibody

1 Image

Go to Product page

Overview

Quantity:	0.1 mg
Target:	NHE7 (SLC9A7)
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NHE7 antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Specificity:	NHE-7 antibody detects endogenous levels of NHE-7 protein.(region surrounding Asp566)
Purification:	Affinity chromatography

Target Details

Target:	NHE7 (SLC9A7)
Alternative Name:	SLC9A7 / NHE7 (SLC9A7 Products)
Background:	Na+/H+ exchangers (NHE) of mammalian cells are plasma membrane intrinsic proteins mediating exchange of N+ and H+ ions in various tissues. The NHE catalyzes the electroneural transport of extracellular Na+ for intracellular H+. They play a major role in regulation of intracellular pH (pH i) in addition to trans-cellular absorption of Na+, cell volume regulation and possibly in cell proliferation. These primary functions of the Na+/H+ exchanger have been related to many pathophysiological states, include hypertension, organ growth and hypertrophy,

Target Details

	regression of cancer and renal intestinal disorders. At least 7 NHE isoforms (NHE1-7) have been cloned so far. They are all similar in their primary structure and predicted to have 10-12 transmembrane domains. The C-terminal domain of NHEs are predicted to be intracellular. NHE7 (human 725 aa, chromosome Xp11.4) is ubiquitously expressed, and predominantly localizes to the trans-golgi network. NHE7 mediates the influx of Na+ or K+ in exchange for H+. It is ~70 % related to NHE6 but relatively less (~25 %) homologous with other NHEs.Synonyms: NHE-7, Na(+)/H(+) exchanger 7, Sodium/hydrogen exchanger 7, Solute carrier family 9 member 7
Molecular Weight:	approx. 80 kDa
Gene ID:	84679
NCBI Accession:	NP_115980
UniProt:	Q96T83

Application Details

Application Notes:	ELISA: 1: 10000approx. 1: 20000. WB: 1: 500approx. 1: 1000. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

Handling

Concentration:	1,0 mg/mL
Buffer:	Phosphate buffered saline (PBS) with 0.05 % sodium azide, approx. pH 7.2.
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 freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.

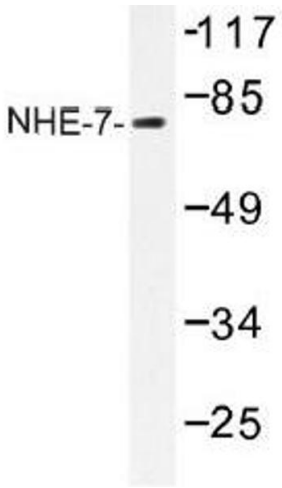

Image 1.