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Immunotag™ NHE-8 Polyclonal Antibody

Antibody Specification

Catalog No.	ITT3119
Product Description	Immunotag™ NHE-8 Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	NHE-8
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC-p,ELISA
Recommended Dilution	Western Blot: 1/500 - 1/2000.IHC-p:1:50-300 ELISA: 1/20000. Not yet tested in other applications.
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	Synthesized peptide derived from NHE-8, at AA range: 420-500
Specificity	NHE-8 Polyclonal Antibody detects endogenous levels of NHE-8 protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Gene Name	SLC9A8
Accession No.	Q9Y2E8 Q8R4D1 Q4L208
Alternate Names	SLC9A8; KIAA0939; NHE8; Sodium/hydrogen exchanger 8; Na(+)/H(+) exchanger 8; NHE-8; Solute carrier family 9 member 8
Description	solute carrier family 9 member A8(SLC9A8) Homo sapiens Sodium-hydrogen exchangers (NHEs), such as SLC9A8, are integral transmembrane proteins that exchange extracellular Na+ for intracellular H+. NHEs have multiple functions, including intracellular pH homeostasis, cell volume regulation, and electroneutral NaCl absorption in epithelia (Xu et al., 2008 [PubMed 18209477]).[supplied by OMIM, Apr 2009],

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Protein Expression	Brain,Epithelium,Gastric mucosa,Small intestine,
Subcellular Localization	Golgi membrane,Golgi apparatus,plasma membrane,integral component of membrane,
Protein Function	function:Involved in pH regulation to eliminate acids generated by active metabolism or to counter adverse environmental conditions. Major proton extruding system driven by the inward sodium ion chemical gradient. Plays an important role in signal transduction.,similarity:Belongs to the monovalent cation:proton antiporter 1 (CPA1) transporter (TC 2.A.36) family.,tissue specificity:Ubiquitous. Strongly expressed in skeletal muscle and kidney.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.