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NHEDC1 Rabbit pAb

Catalog # AP96948

Product Information

Application	WB
Primary Accession	Q8C0X2
Other Accession	Q8C0X2
Reactivity	Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	61958
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from mouse NHEDC1
Epitope Specificity	51-150/565
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the monovalent cation:proton antiporter 1 (CPA1) transporter (TC 2.A.36) family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The protein encoded by this gene is a sodium/hydrogen exchanger and transmembrane protein. Highly conserved orthologs of this gene have been found in other mammalian species. The expression of this gene may be limited to testis. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2010]

Additional Information

Other Names	1700094G20Rik; 4933424B12Rik; 4933425K02Rik; Nhedc1; mtsNHE; SL9B1_MOUSE; Slc9b1; Na(+)/H(+) exchanger-like domain-containing protein 1 (NHE domain-containing protein 1); Sodium/hydrogen exchanger-like domain-containing protein 1; Solute carrier family 9 subfamily B member 1; Testis specific sodium-hydrogen exchanger (MtsNHE); Nha1; solute carrier family 9 member B1; Na+/H+ exchanger domain containing 1; solute carrier family 9, subfamily B (cation proton antiporter 2), member 1; solute carrier family 9, subfamily B (NHA1, cation proton antiporter 1), member 1
Dilution	WB=1:500-2000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	Slc9b1 {ECO:0000312|MGI:MGI:1921696}
Function	Sperm-specific Na(+)/H(+) exchanger involved in intracellular pH regulation of spermatozoa (PubMed:20036903). Involved in sperm motility and fertility (PubMed:19409551, PubMed:20036903, PubMed:27010853).
Cellular Location	Cell projection, cilium, flagellum membrane; Multi-pass membrane protein
Tissue Location	Testis-specific (PubMed:20036903). Expressed in the spermatids and spermatozoa (at protein level) (PubMed:20036903) Specifically present in the principal piece of sperm tail (at protein level) (PubMed:19409551, PubMed:20036903, PubMed:27010853)

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