

Rabbit Nhe-1 Polyclonal Antibody | anti-Nhe-1 antibody

Nhe-1 Antibody

CATALOG # AAA307347	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot, ELISA
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PRODUCT SYNONYMS

Nhe-1; Polyclonal Antibody; Nhe-1 Antibody; Sodium-hydrogen exchanger 1; solute carrier family 9 member 1; SLC9A1; Na⁺; H⁺ antiporter; anti-Nhe-1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Affinity chromatography purified via peptide column
Form/Format	Supplied in PBS containing 0.02% sodium azide.
Sequence Length	815
Applicable Applications for anti-Nhe-1 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen Type	Peptide
Immunogen Description	Raised against a 17 amino acid peptide near the center of the human Nhe-1.
Target Name	Nhe-1
Preparation and Storage	Can be stored at -20 degree C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

IMAGES


IHC (Immunohistochemistry)

Immunohistochemical staining of human brain tissue using Nhe-1 antibody at 2.5 ug/mL.


WB (Western Blot)

Western blot analysis of Nhe-1 in MOLT4 cell lysate with in with Nhe-1 antibody at (A) 1 and (B) 2 ug/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-Nhe-1 antibody

The Na⁺/H⁺ antiporter (Nhe-1) is a ubiquitous membrane-bound enzyme involved in pH regulation of vertebrate cells and is specifically inhibited by the diuretic drug amiloride and activated by a variety of signals including growth factors, mitogens, neurotransmitters, and tumor promoters. Nhe-1 acts as an anchor for actin filaments to control the integrity of the cortical cytoskeleton. This occurs through a previously unrecognized structural link between Nhe-1 and the actin-binding proteins ezrin, radixin, and moesin, collectively referred to as ERM proteins. A structural role for Nhe-1 has been proposed in regulating the cortical cytoskeleton that is independent of its function as an ion exchanger. It is also thought that Nhe-1 play a role in hypertension. At least two isoforms of Nhe-1 are known to exist.

Product Categories/Family for anti-Nhe-1 antibody

Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	27777632
NCBI GeneID	6548
NCBI Accession #	NP_003038.2
NCBI GenBank Nucleotide #	NM_003047.4
UniProt Accession #	P19634; Q96EM2; B1ALD6; D3DPL4
Molecular Weight	61,013 Da
NCBI Official Full Name	sodium/hydrogen exchanger 1
NCBI Official Synonym Full Names	solute carrier family 9, subfamily A (NHE1, cation proton antiporter 1), member 1
NCBI Official Symbol	SLC9A1
NCBI Official Synonym Symbols	APNH; NHE1; LIKNS; NHE-1; PPP1R143
NCBI Protein Information	sodium/hydrogen exchanger 1
UniProt Protein Name	Sodium/hydrogen exchanger 1
UniProt Gene Name	SLC9A1
UniProt Synonym Gene Names	APNH1; NHE1; NHE-1
UniProt Entry Name	SL9A1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/nhe-1-antibody-immunohistochemistry-western-blot-elisa/307347>