

Datasheet for ABIN500339

anti-SLC9A1 antibody (C-Term, N-Term)[Go to Product page](#)**2** Images

Overview

Quantity:	0.1 mg
Target:	SLC9A1
Binding Specificity:	C-Term, N-Term
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SLC9A1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Nhe-1 antibody was raised against a 20 amino acid peptide near the carboxy terminus of the human Nhe-1.
Isotype:	IgG
Specificity:	This antibody detects SLC9A1 / NHE1 at N-term.
Cross-Reactivity (Details):	Species reactivity (tested): Human, mouse, rat
Purification:	Peptide affinity chromatography

Target Details

Target:	SLC9A1
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Target Details

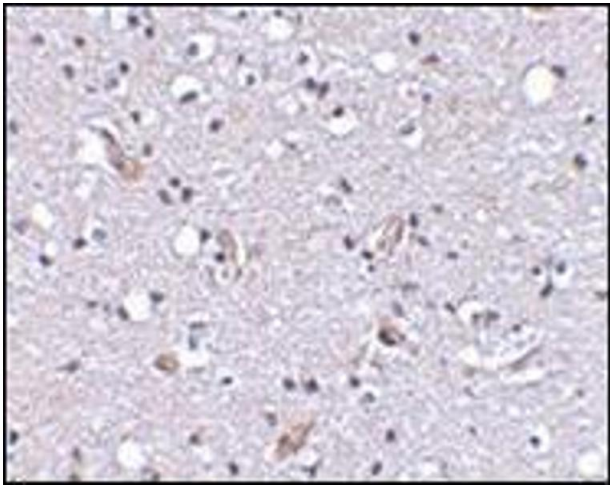
Alternative Name:	SLC9A1 / NHE1 (SLC9A1 Products)
Background:	<p>The Na⁺/H⁺ antiporter (Nhe-1) is a ubiquitous membrane-bound enzyme involved in pH regulation of vertebrate cells and is specifically inhibited by the diuretic drug amiloride and activated by a variety of signals including growth factors, 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. Synonyms: APNH, APNH1, Na(+)/H(+) antiporter, Na(+)/H(+) exchanger 1, Sodium/hydrogen exchanger 1, Solute carrier family 9 member 1, amiloride-sensitive</p>
Gene ID:	6548
UniProt:	P19634
Pathways:	Glycosaminoglycan Metabolic Process , Proton Transport

Application Details

Application Notes:	<p>ELISA. Western blot. Immunohistochemistry on paraffin sections.</p> <p>Other applications not tested.</p> <p>Optimal dilutions are dependent on conditions and should be determined by the user.</p>
Restrictions:	For Research Use only

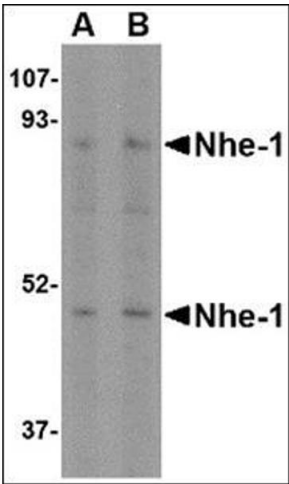
Handling

Buffer:	PBS containing 0.02 % sodium azide
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 at 2 - 8 °C for up to one month or (in aliquots) at -20 °C for longer.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemical staining of human brain tissue using AP30591PU-N at 2.5 µg/ml.



Western Blotting

Image 2. Western blot analysis of Nhe-1 in rat kidney tissue lysate with in with this product at (A) 1 and (B) 2 µg/ml.