

**ACCN3 Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP19124a****Specification**

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**ACCN3 Antibody (N-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">O9UHC3</a>
Other Accession	<a href="#">NP_064718.1</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	58905
Antigen Region	55-83

**ACCN3 Antibody (N-term) - Additional Information****Gene ID** 9311**Other Names**

Acid-sensing ion channel 3, ASIC3, hASIC3, Amiloride-sensitive cation channel 3, Neuronal amiloride-sensitive cation channel 3, Testis sodium channel 1, hTNaC1, ASIC3, ACCN3, SLNAC1, TNAC1

**Target/Specificity**

This ACCN3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 55-83 amino acids from the N-terminal region of human ACCN3.

**Dilution**

WB~~1:1000

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

ACCN3 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**ACCN3 Antibody (N-term) - Protein Information****Name** ASIC3

**Synonyms** ACCN3, SLNAC1, TNAC1

**Function** Cation channel with high affinity for sodium, which is gated by extracellular protons and inhibited by the diuretic amiloride. Generates a biphasic current with a fast inactivating and a slow sustained phase. In sensory neurons is proposed to mediate the pain induced by acidosis that occurs in ischemic, damaged or inflamed tissue. May be involved in hyperalgesia. May play a role in mechanoreception. Heteromeric channel assembly seems to modulate channel properties.

**Cellular Location**

Cell membrane; Multi-pass membrane protein. Cytoplasm. Note=Cell surface expression may be stabilized by interaction with LIN7B and cytoplasmic retention by interaction with DLG4. In part cytoplasmic in cochlea cells (By similarity).

**Tissue Location**

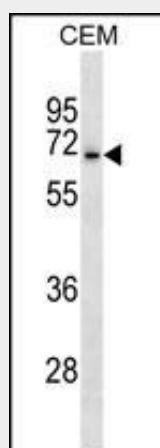
Expressed by sensory neurons. Strongly expressed in brain, spinal chord, lung, lymph nodes, kidney, pituitary, heart and testis.

**ACCN3 Antibody (N-term) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**ACCN3 Antibody (N-term) - Images**



ACCN3 Antibody (N-term) (Cat. #AP19124a) western blot analysis in CEM cell line lysates (35ug/lane). This demonstrates the ACCN3 antibody detected the ACCN3 protein (arrow).

**ACCN3 Antibody (N-term) - Background**

This gene encodes a member of the degenerin/epithelial sodium channel (DEG/ENaC) superfamily. The members of this family are amiloride-sensitive sodium channels that contain intracellular

N and C termini, two hydrophobic transmembrane regions, and a large extracellular loop, which has many cysteine residues with conserved spacing. The member encoded by this gene is an acid sensor and may play an important role in the detection of lasting pH changes. In addition, a heteromeric association between this member and ACCN1 has been observed as proton-gated channels sensitive to gadolinium. Alternative splicing of this gene generates three transcript variants encoding distinct isoforms.

#### **ACCN3 Antibody (N-term) - References**

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Wu, S., et al. Clin. Chim. Acta 411 (15-16), 1132-1136 (2010) :  
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Su, X., et al. J. Biol. Chem. 281(48):36960-36968(2006)  
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