

**ACCN3 Antibody (N-term) Blocking Peptide**

Synthetic peptide

Catalog # BP19124a

**Specification**

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

Primary Accession

[O9UHC3](#)**ACCN3 Antibody (N-term) Blocking Peptide - 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

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

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

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

- [Blocking Peptides](#)

### **ACCN3 Antibody (N-term) Blocking Peptide - Images**

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

Borzan, J., et al. *Anesthesiology* 113(3):647-654(2010) Wu, S., et al. *Clin. Chim. Acta* 411 (15-16), 1132-1136 (2010) :Ko, Y.L., et al. *J. Hypertens.* 26(11):2154-2160(2008) Su, X., et al. *J. Biol. Chem.* 281(48):36960-36968(2006) Jones, N.G., et al. *J. Neurosci.* 24(48):10974-10979(2004)