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# ACCN4 Antibody (N-term) Blocking Peptide

**Synthetic peptide**
**Catalog # BP16518a**

## Specification

### ACCN4 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession Q96FT7

### ACCN4 Antibody (N-term) Blocking Peptide - Additional Information

**Gene ID** 55515

**Other Names**
Acid-sensing ion channel 4, ASIC4, Amiloride-sensitive cation channel 4, Amiloride-sensitive cation channel 4, pituitary, ASIC4, ACCN4

**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.

### ACCN4 Antibody (N-term) Blocking Peptide - Protein Information

**Name** ASIC4 (HGNC:21263)

**Synonyms** ACCN4

**Function**
Does not exhibit measurable stand-alone pH-gated sodium channel activity but may form pH-gated heterotrimeric sodium channels. Its activity could also depend on alternative gating mechanisms.

**Cellular Location**
Cell membrane {ECO:0000250|UniProtKB:P78348}; Multi-pass membrane protein

**Tissue Location**
Expressed in pituitary gland. Weakly expressed in brain, vestibular system and organ of Corti

### ACCN4 Antibody (N-term) Blocking Peptide - Protocols

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

- Blocking Peptides

**ACCN4 Antibody (N-term) Blocking Peptide - Images**

**ACCN4 Antibody (N-term) Blocking Peptide - Background**

This gene belongs to the superfamily of acid-sensing ionchannels, which are proton-gated, amiloride-sensitive sodiumchannels. These channels have been implicated in synaptictransmission, pain perception as well as mechanoperception. Thisgene is predominantly expressed in the pituitary gland, and wasconsidered a candidate for paroxysmal dystonic choreoathetosis(PDC), a movement disorder, however, no correlation was foundbetween mutations in this gene and PDC. Alternative splicing atthis locus results in two transcript variants encoding differentisoforms.

**ACCN4 Antibody (N-term) Blocking Peptide - References**

Donier, E., et al. Eur. J. Neurosci. 28(1):74-86(2008)Lamesch, P., et al. Genomics 89(3):307-315(2007)Hillier, L.W., et al. Nature 434(7034):724-731(2005)Grunder, S., et al. Eur. J. Hum. Genet. 9(9):672-676(2001)Grunder, S., et al. Neuroreport 11(8):1607-1611(2000)