

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**Synonyms** ACCN4**Function**Probable cation channel with high affinity
for sodium. In vitro, has no proton-gated
channel activity.**Cellular Location**

Membrane; Multi-pass membrane protein

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

This gene belongs to the superfamily of acid-sensing ion channels, which are proton-gated, amiloride-sensitive sodium channels. These channels have been implicated in synaptic transmission, pain perception as well as mechanoperception. This gene is predominantly expressed in the pituitary gland, and was considered a candidate for paroxysmal dystonic choreoathetosis (PDC), a movement disorder, however, no correlation was found between mutations in this gene and PDC. Alternative splicing at this locus results in two transcript variants encoding different isoforms.

**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)

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](#)