

ACCN4 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16518A**Specification**

ACCN4 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	Q96FT7
Other Accession	NP_061144.3
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	59278
Antigen Region	23-52

ACCN4 Antibody (N-term) - 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

Target/Specificity

This ACCN4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 23-52 amino acids from the N-terminal region of human ACCN4.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

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

ACCN4 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

ACCN4 Antibody (N-term) - 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

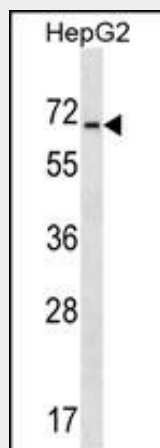
Tissue Location

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

ACCN4 Antibody (N-term) - 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](#)

ACCN4 Antibody (N-term) - Images

ACCN4 Antibody (N-term) (Cat. #AP16518a) western blot analysis in HepG2 cell line lysates (35ug/lane). This demonstrates the ACCN4 antibody detected the ACCN4 protein (arrow).

ACCN4 Antibody (N-term) - 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) - 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)
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