

AP42370PU-N

Polyclonal Antibody to ASIC3 / ACCN3 - Aff - Purified

Alternate names:

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

Quantity:

0.1 mg

Background:

ACCN3 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. ACCN3 encodes a member that 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.

Uniprot ID:

[Q9UHC3](#)

NCBI:

[NP_004760](#)

GeneID:

[9311](#)

Host:

Rabbit

Immunogen:

Synthetic peptide directed towards the N terminal of human ACCN3

Format:

State: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Purification: Purified using Protein A affinity column

Applications:

Western blotting (1 - 3 µg/ml)

Immunohistochemistry on paraffin embedded sections (4-8 µg/ml)

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Species Reactivity:

Tested: Human

Expected from sequence similarity: Mouse, Rat, Rabbit, Dog, Bovine, Guinea Pig, Horse

Storage:

Store undiluted at 2-8°C for one month or (in aliquots) at -20°C to -80°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:

1. Babinski K, Lê KT, Séguéla P. Molecular cloning and regional distribution of a human proton receptor subunit with biphasic functional properties. J Neurochem. 1999 Jan;72(1):51-7. PubMed PMID: 9886053.

2. de Weille JR, Bassilana F, Lazdunski M, Waldmann R. Identification, functional expression and chromosomal localisation of a sustained human proton-gated cation channel. FEBS Lett. 1998 Aug 21;433(3):257-60. PubMed PMID: 9744806.

Pictures:

WB Suggested Anti-ACCN3 Antibody
Titration: 2.5 ug/ml; ELISA Titer: 1:62500;
Positive Control: Human Kidney



Human kidney

