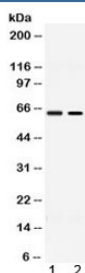


ACCN1 Antibody / ASIC2 (R32514)

Catalog No.	Formulation	Size
R32514	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	Q16515
Localization	Cytoplasmic
Applications	Western Blot : 0.5-1ug/ml
Limitations	This ACCN1 antibody is available for research use only.



Western blot testing of 1) rat testis and 2) human MCF7 lysate with ACCN1 antibody at 0.5ug/ml. Predicted molecular weight ~58 kDa.

Description

Amiloride-sensitive cation channel 1, neuronal, also known as ASIC2, is a protein that in humans is encoded by the ACCN1 gene. 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, 2 hydrophobic transmembrane regions, and a large extracellular loop, which has many cysteine residues with conserved spacing. The member encoded by this gene may play a role in neurotransmission. In addition, a heteromeric association between this member and acid-sensing (proton-gated) ion channel 3 has been observed to co-assemble into proton-gated channels sensitive to gadolinium. Alternative splicing has been observed at this locus and two variants, encoding distinct isoforms,

have been identified.

Application Notes

Differences in protocols and secondary/substrate sensitivity may require the ACCN1 antibody to be titrated for optimal performance.

Immunogen

Amino acids 112-147 (ELLALLDVNLQIPDPLADPSVLEALRQKANFKHYK from the human protein were used as the immunogen for the ACCN1 antibody.

Storage

After reconstitution, the ACCN1 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.