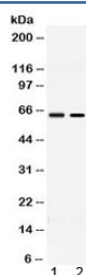


ACCN1 Antibody / ASIC2 (R32514)

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
Host	Rabbit
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 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.