ARG58220
anti-ASIC2 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes ASIC2
Tested Reactivity	Hu, Rat
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	ASIC2
Species	Human
Immunogen	Synthetic peptide corresponding to aa. 112-147 of Human ACCN1. (ELLALLDVNLQIPDPHLADPSVLEALRQKANFKHYK)
Conjugation	Un-conjugated
Alternate Names	ACCN1; ACCN; BNC1; Amiloride-sensitive cation channel 1, neuronal; MDEG; Mammalian degenerin homolog; Amiloride-sensitive cation channel neuronal 1; BNaC1; ASIC2; Amiloride-sensitive brain sodium channel; Acid-sensing ion channel 2; hBNaC1; ASIC2a; Brain sodium channel 1

Application Instructions

Application table

Application	Dilution
WB	0.1 - 0.5 µg/ml

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

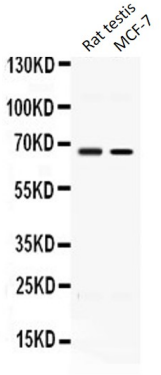
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.9% NaCl, 0.2% Na2HPO4, 0.05% Sodium azide and 5% BSA.
Preservative	0.05% Sodium azide
Stabilizer	5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	ASIC2
Gene Full Name	acid sensing (proton gated) ion channel 2
Background	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. [provided by RefSeq, Feb 2012]
Function	Cation channel with high affinity for sodium, which is gated by extracellular protons and inhibited by the diuretic amiloride. Also permeable for Li(+) and K(+). Generates a biphasic current with a fast inactivating and a slow sustained phase. Heteromeric channel assembly seems to modulate. [UniProt]
Calculated Mw	58 kDa
Cellular Localization	Cell membrane; Multi-pass membrane protein. Localized at the plasma membrane of neurons, in the soma and punctated peripheral processes. [UniProt]

Images



ARG58220 anti-ASIC2 antibody WB image

Western blot: Rat testis and MCF-7 whole cell lysates stained with ARG58220 anti-ASIC2 antibody at 0.5 µg/ml dilution.