

Rabbit ACCN1/ASIC2 Polyclonal Antibody | anti-ASIC2 antibody

Anti-ACCN1/ASIC2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA125471	Rabbit	Human, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Immunofluorescence, Immunocytochemistry, Western Blot

PRODUCT SYNONYMS

ACCN1/ASIC2; Polyclonal Antibody; Anti-ACCN1/ASIC2 Antibody; Acid-sensing ion channel 2; ASIC2; Amiloride-sensitive brain sodium channel; Amiloride-sensitive cation channel 1; neuronal; Amiloride-sensitive cation channel neuronal 1; Brain sodium channel 1; BNC1; BNaC1; Mammalian degenerin homolog; MDEG; ACCN; ACCN1; BNAC1; anti-ASIC2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	No cross reactivity with other proteins.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	512
Applicable Applications for anti-ASIC2 antibody	ELISA (Direct ELISA), FCM/FACS (Flow Cytometry), IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Immunogen	E Coli-derived human ACCN1/ASIC2 recombinant protein (Position: H27-C512).
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen store at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES

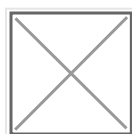
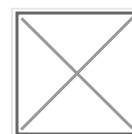
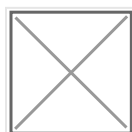
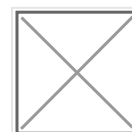

WB (Western Blot)

Figure 1. Western blot analysis of ASIC2 using anti-ASIC2 antibody.


IF (Immunofluorescence)

FCM/FACS (Flow Cytometry)

FCM/FACS (Flow Cytometry)

ADDITIONAL INFORMATION

Related Product Information for anti-ASIC2 antibody	<p>Description: Rabbit IgG polyclonal antibody for ACCN1/ASIC2 detection. Tested with WB, ICC/IF, FCM, Direct ELISA in Human; Mouse; Rat.</p> <p>Background: 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.</p>
References	<p>1. Garcia-Anoveros, J., Derfler, B., Neville-Golden, J., Hyman, B. T., Corey, D. P. BNaC1 and BNaC2 constitute a new family of human neuronal sodium channels related to degenerins and epithelial sodium channels. Proc. Nat. Acad. Sci. 94: 1459-1464, 1997.</p> <p>2. Jahr, H., van Driel, M., van Osch, G. J. V. M., Weinans, H., van Leeuwen, J. P. T. M. Identification of acid-sensing ion channels in bone. Biochem. Biophys. Res. Commun. 337: 349-354, 2005.</p> <p>3. Lu, Y., Ma, X., Sabharwal, R., Snitsarev, V., Morgan, D., Rahmouni, K., Drummond, H. A., Whiteis, C. A., Costa, V., Price, M., Benson, C., Welsh, M. J., Chapleau, M. W., Abboud, F. M. The ion channel ASIC2 is required for baroreceptor and autonomic control of the circulation. Neuron 64: 885-897, 2009.</p>

NCBI AND UNIPROT INFORMATION

NCBI GI #	9998944
NCBI GeneID	40
NCBI Accession #	NP_001085.2
NCBI GenBank Nucleotide #	NP_001085.2
UniProt Accession #	Q16515
NCBI Official Full Name	acid-sensing ion channel 2 isoform MDEG1
NCBI Official Synonym Full Names	acid sensing ion channel subunit 2
NCBI Official Symbol	ASIC2
NCBI Official Synonym Symbols	ACCN; BNC1; MDEG; ACCN1; BNaC1; ASIC2a; hBNaC1
NCBI Protein Information	acid-sensing ion channel 2
UniProt Protein Name	Acid-sensing ion channel 2
UniProt Gene Name	ASIC2
UniProt Synonym Gene Names	ACCN; ACCN1; BNAC1; MDEG; ASIC2; BNC1; BNaC1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.