Rabbit ACCN1 Polyclonal Antibody | anti-ASIC2 antibody

ACCN1 Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289398	**Rabbit**	**Human (Predicted Reactivity: Mouse, Rat)**	**Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot**

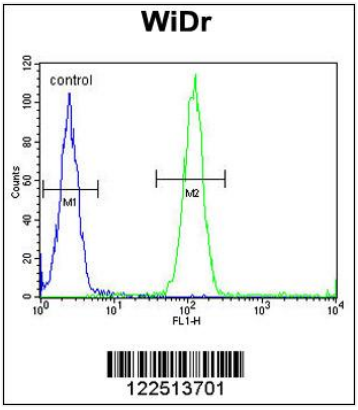
PRODUCT SYNONYMS

ACCN1; Polyclonal Antibody; ACCN1 Antibody (Center); 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; ACCN; BNAC1; MDEG; anti-ASIC2 antibody

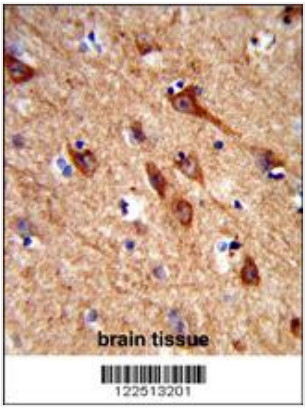
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This ACCN1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 120-148 amino acids from the Central region of human ACCN1.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.28 (varies by lot)
Sequence Positions	120-148
Sequence Length	563
Applicable Applications for anti-ASIC2 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

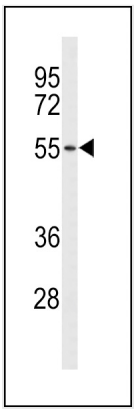
IMAGES



FCM/FACS (Flow Cytometry)
ACCN1 Antibody (Center) flow cytometric analysis of WiDr cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohiostchemistry)
Formalin-fixed and paraffin-embedded human brain tissue reacted with ACCN1 Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of ACCN1 Antibody (Center) in NCI-H460 cell line lysates (35ug/lane). ACCN1 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-ASIC2 antibody	ACCN1 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 protein may play a role in neurotransmission. In addition, a heteromeric association between this member and ACCN3 (variant 1) has been observed to co-assemble into proton-gated channels sensitive to gadolinium.
Product Categories/Family for anti-ASIC2 antibody	Neuroscience
References	Bashari,E., et.al., Am. J. Physiol., Cell Physiol. 296 (2), C372-C384 (2009) Chai,S., et.al., J. Biol. Chem. 282 (31), 22668-22677 (2007)

NCBI AND UNIPROT INFORMATION

NCBI GI #	9998944
NCBI GeneID	40
NCBI Accession #	NP_001085.2; NP_899233.1
NCBI GenBank Nucleotide #	NM_001094.4

UniProt Accession #	Q16515; Q13553; Q6DJU1; Q8N3E2; E9PBX2
Molecular Weight	57709
NCBI Official Full Name	acid-sensing ion channel 2 isoform MDEG1
NCBI Official Synonym Full Names	acid sensing (proton gated) ion channel 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
UniProt Entry Name	ASIC2_HUMAN

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.

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