

## Product datasheet for **AP50043PU-N**

### **ACCN1 (ASIC2) (Center) Rabbit Polyclonal Antibody**

#### **Product data:**

Product Type:	Primary Antibodies
Applications:	FC, IHC, WB
Recommended Dilution:	<b>ELISA:</b> 1/1000. <b>Western blotting:</b> 1/100 - 1/500. <b>Immunohistochemistry:</b> 1/50 - 1/100.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 127~156 amino acids from the Center region of human ACCN1
Specificity:	This antibody reacts to ASIC2 / ACCN1.
Formulation:	PBS containing 0.09% (W/V) sodium azide as preservative State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Affinity chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	acid sensing ion channel subunit 2
Database Link:	<a href="#">Entrez Gene 40 Human Q16515</a>



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**Background:** 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.

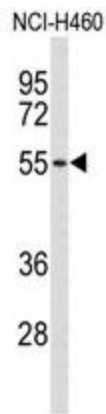
**Synonyms:** BNAC1, MDEG, Brain sodium channel 1

**Note:** **Molecular Weight:** 57709 Da

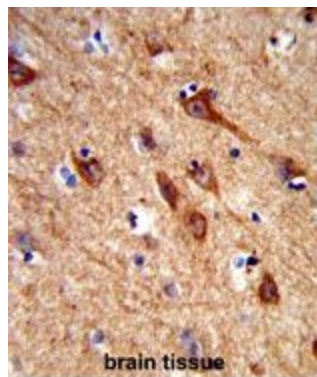
**Protein Families:** Druggable Genome, Ion Channels: Other

**Protein Pathways:** Taste transduction

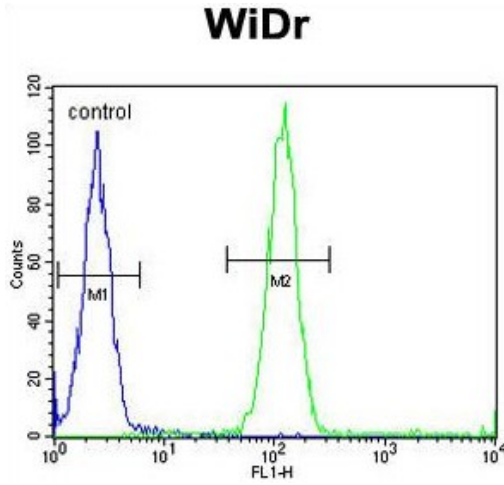
### Product images:



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



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.



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.