

Datasheet for ABIN7042911

anti-ACCN1 antibody (Intracellular, N-Term)**2** Images[Go to Product page](#)

Overview

Quantity:	25 µL
Target:	ACCN1
Binding Specificity:	AA 2-18, Intracellular, N-Term
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ACCN1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC), Immunoprecipitation (IP)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: DLKESPSEGLQPSSIQC, corresponding to amino acid residues 2-18 of human ASIC2a
Isotype:	IgG
Cross-Reactivity (Details):	The antibody is specific for ASIC2a and will not recognize ASIC2b.
Characteristics:	Anti-ASIC2a Antibody (ABIN7042911, ABIN7045234 and ABIN7045235) is a highly specific antibody directed against an epitope of the human protein. The antibody can be used in western blot, immunoprecipitation, immunohistochemistry, and immunocytochemistry applications. It has been designed to recognize ASIC2a from human, rat, and mouse samples. The antibody is specific for ASIC2a and will not recognize the ASIC2b variant.

Product Details

Purification: Affinity purified on immobilized antigen.

Target Details

Target: ACCN1

Alternative Name: ASIC2a ([ACCN1 Products](#))

Background: Alternative names: ASIC2a, ACCN1, Acid-sensing ion channel 2, Brain sodium channel 1, BNaC1, BNC1, Amiloride-sensitive cation channel neuronal 1, Mammalian degenerin homolog, MDEG

Gene ID: 40

UniProt: [Q16515](#)

Pathways: [Sensory Perception of Sound](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: 25 µL, 50 µL or 0.2 mL double distilled water (DDW), depending on the sample size.

Concentration: 0.3 mg/mL

Buffer: Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 5 % sucrose, 0.025 % Sodium azide.

Preservative: Sodium azide

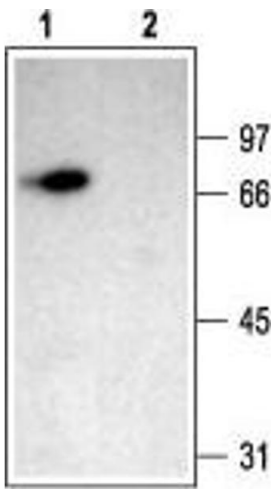
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: RT, 4 °C, -20 °C

Storage Comment: Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C.
Storage after reconstitution: The reconstituted solution can be stored at 4°C for up to 1 week. For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and

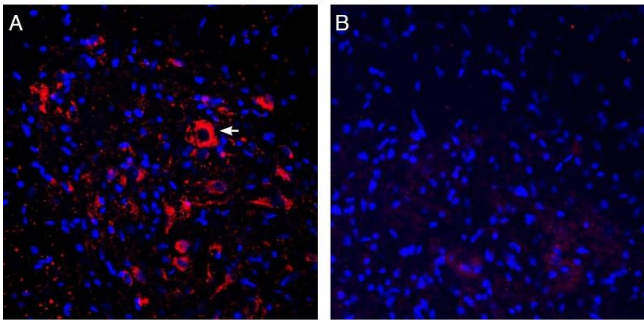
thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).

Images



Western Blotting

Image 1. Western blot analysis of rat brain membranes: - 1. Anti-ASIC2a Antibody (ABIN7042911, ABIN7045234 and ABIN7045235), (1:200). 2. Anti-ASIC2a Antibody, preincubated with ASIC2a Blocking Peptide (#BLP-SC012).



Immunohistochemistry

Image 2. Expression of ASIC2a in rat spinal cord. - Immunohistochemical staining of perfusion-fixed frozen rat spinal cord sections with Anti-ASIC2a Antibody (ABIN7042911, ABIN7045234 and ABIN7045235), (1:300), followed by donkey anti-rabbit-Cy3. A. ASIC2a immunoreactivity (red) appeared in neuronal soma (horizontal arrow) in the ventral horn of the spinal cord. B. Pre-incubation of the antibody with ASIC2a Blocking Peptide (BLP-SC012), suppressed staining. Cell nuclei are stained with DAPI (blue).