

Datasheet for ABIN7042913

anti-ASIC1 antibody (Extracellular Loop)

4 Images

[Go to Product page](#)

Overview

Quantity:	25 µL
Target:	ASIC1 (ACCN2)
Binding Specificity:	AA 368-382, Extracellular Loop
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunofluorescence (IF), Live Cell Imaging (LCI)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)TRYGKELSMVKIPSK, corresponding to amino acid residues 368-382 of rat ASIC1
Isotype:	IgG
Characteristics:	Anti-pan ASIC (extracellular) Antibody (ABIN7042913, ABIN7045258 and ABIN7045259)) is directed against an epitope of rat ASIC1. The antibody recognizes ASIC1 through ASIC4. Anti-pan ASIC (extracellular) Antibody (ABIN7042913, ABIN7045258 and ABIN7045259)) can be used in western blot, immunohistochemistry and immunocytochemistry in living cells. It has been designed to recognize all ASIC channels from rat, human and mouse samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

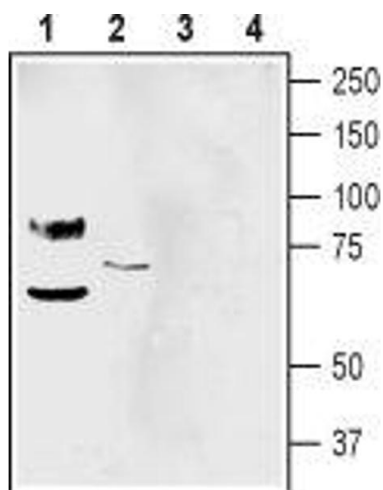
Target:	ASIC1 (ACCN2)
Alternative Name:	ASIC (ACCN2 Products)
Background:	Alternative names: ASIC, Acid-sensing ion channel, Acid-sensing (proton-gated) ion channel, ACCN, ACCN2, ACCN3, ACCN4
UniProt:	Q16515 , P78348 , Q9UHC3 , Q96FT7

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

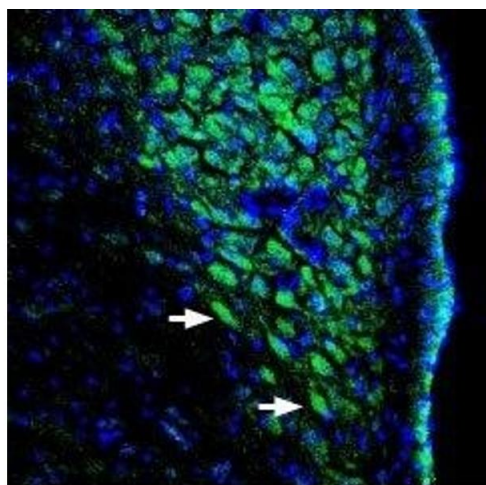
Handling

Format:	Lyophilized
Reconstitution:	25 µL, 50 µL or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.8 mg/mL
Buffer:	Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % 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:	<p>Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C.</p> <p>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).</p>



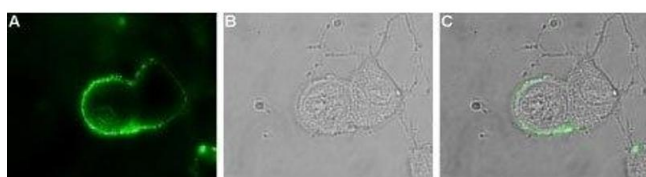
Western Blotting

Image 1. Western blot analysis of mouse brain membranes (lanes 1 and 3) and human SH-SY5Y neuroblastoma cell line lysate (lanes 2 and 4): - 1-2. Anti-pan ASIC (extracellular) Antibody (ABIN7042913, ABIN7045258 and ABIN7045259), (1:500).3-4. Anti-pan ASIC (extracellular) Antibody, preincubated with Pan ASIC (extracellular) Blocking Peptide (#BLP-SC031).



Immunohistochemistry

Image 2. Expression of ASIC channels in rat locus coeruleus - Immunohistochemical staining of perfusion-fixed rat brain frozen sections using Anti-pan ASIC (extracellular) Antibody (ABIN7042913, ABIN7045258 and ABIN7045259), (1:400), followed by goat-anti-rabbit-AlexaFluor-488. ASIC channel staining (green) appears in neuronal soma (arrows). Nuclei are stained with DAPI (blue).



Immunocytochemistry

Image 3. Expression of ASIC in rat PC12 cells - Cell surface detection of ASIC in live intact rat PC12 pheochromocytoma cells. A. Extracellular staining of cells with Anti-pan ASIC (extracellular) Antibody (ABIN7042913, ABIN7045258 and ABIN7045259), (1:25), followed by goat anti-rabbit-AlexaFluor-488 secondary antibody (green). B. Live view of the cells. C. Merge of A and B.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7042913.