Datasheet for ABIN2483691

anti-ASIC1 antibody (AA 460-526) (APC)

3 Images

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Overview

Quantity:	100 µg
Target:	ASIC1 (ACCN2)
Binding Specificity:	AA 460-526
Reactivity:	Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This ASIC1 antibody is conjugated to APC
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunofluorescence (IF)

Product Details

Immunogen:	Fusion protein amino acids 460-526 (Cytoplasmic C-terminus) of mouse ASIC1
Clone:	S271-44
Isotype:	IgG1
Specificity:	Detects ~60 kDa.
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Protein G Purified

Target Details

Target:	ASIC1 (ACCN2)

Target Details

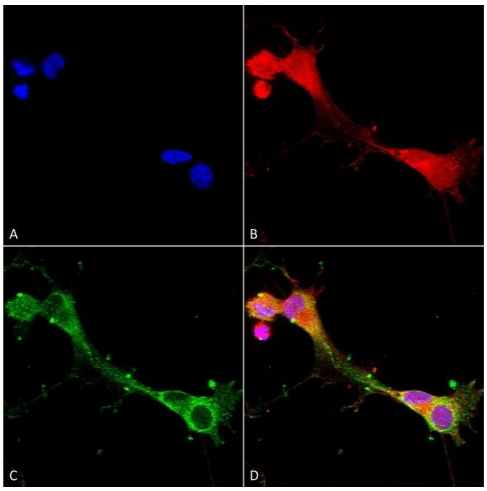
Alternative Name:	ASIC1 (ACCN2 Products)
Background:	Acid sensing ion channel ASIC1, also designated ACCN2, BNAC2 and ASIC1a, is present in brain as a 4.3-kb transcript with localization to rat dorsal root ganglia. Insitu hybridization of rat brain suggests that ASIC1 is most abundant in the main olfactory bulb, cerebral cortex, hippocampal formation, habenula, basolateral amygdaloid nuclei and cerebellum. ASIC1 and H+-gated currents may contribute to the development of fear and anxiety.
Gene ID:	11419
NCBI Accession:	NP_033727
UniProt:	Q6NXK8

Application Details

Application Notes:	• WB (1:1000) • optimal dilutions for assays should be determined by the user.
Comment:	1 µg/ml of ABIN2483691 was sufficient for detection of ASIC1 in 20 µg of rat brain lysate by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary antibody.
Restrictions:	For Research Use only

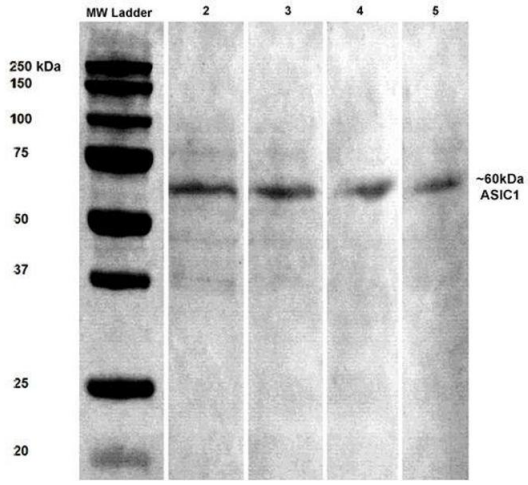
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS pH 7.4, 50 % glycerol, 0.09 % sodium azide, Storage buffer may change when conjugated
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:	4 °C
Storage Comment:	Conjugated antibodies should be stored at 4°C



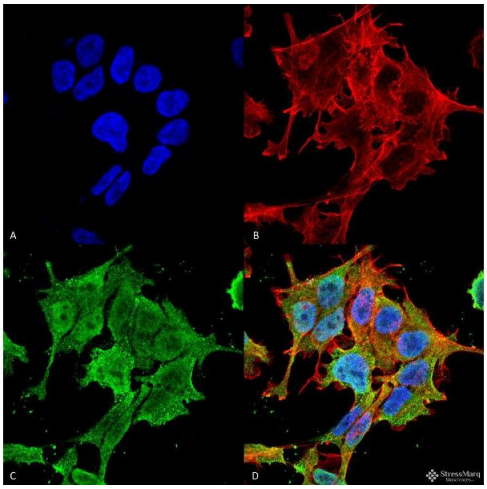
Immunocytochemistry

Image 1. Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-ASIC1 Monoclonal Antibody, Clone S271-44 (ABIN2483691). Tissue: Neuroblastoma cells (SH-SY5Y). Species: Human. Fixation: 4 % PFA for 15 min. Primary Antibody: Mouse Anti-ASIC1 Monoclonal Antibody (ABIN2483691) at 1:100 for overnight at 4 °C with slow rocking. Secondary Antibody: AlexaFluor 488 at 1:1000 for 1 hour at RT. Counterstain: Phalloidin-iFluor 647 (red) F-Actin stain, Hoechst (blue) nuclear stain at 1:800, 1.6 mM for 20 min at RT. (A) Hoechst (blue) nuclear stain. (B) Phalloidin-iFluor 647 (red) F-Actin stain. (C) ASIC1 Antibody (D) Composite.



Western Blotting

Image 2. Western Blot analysis of Rat brain lysates showing detection of ASIC1 protein using Mouse Anti-ASIC1 Monoclonal Antibody, Clone S271-44 . Primary Antibody: Mouse Anti-ASIC1 Monoclonal Antibody at 1:100, 1:250, 1:500, and 1:1000.



Immunofluorescence (fixed cells)

Image 3. Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-ASIC1 Monoclonal Antibody, Clone S271-44 . Tissue: Neuroblastoma cell line (SK-N-BE). Species: Human. Fixation: 4% Formaldehyde for 15 min at RT. Primary Antibody: Mouse Anti-ASIC1 Monoclonal Antibody at 1:100 for 60 min at RT. Secondary Antibody: Goat Anti-Mouse ATTO 488 at 1:100 for 60 min at RT. Counterstain: Phalloidin Texas Red F-Actin stain; DAPI (blue) nuclear stain at 1:1000, 1:5000 for 60min RT, 5min RT. Localization: Cell Membrane, Nucleus. Magnification: 60X.

Images

(A) DAPI (blue) nuclear stain (B) Phalloidin Texas Red F-Actin stain (C) ASIC1 Antibody (D) Composite.