



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## Anti-ASIC1 Antibody [S271-44]

Mouse Anti-Mouse ASIC1 Monoclonal IgG1  
Catalog No. SMC-427



Discovery through partnership | Excellence through quality

### Overview

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#### Product Name

ASIC1 Antibody

#### Description

Mouse Anti-Mouse ASIC1 Monoclonal IgG1

#### Species Reactivity

Mouse, Rat

#### Applications

WB, IHC, ICC/IF

#### Antibody Dilution

WB (1:1000); optimal dilutions for assays should be determined by the user.

#### Host Species

Mouse

#### Immunogen Species

Mouse

#### Immunogen

Fusion protein amino acids 460-526 (Cytoplasmic C-terminus) of mouse ASIC1

#### Concentration

1 mg/ml

#### Conjugates

Alkaline Phosphatase, APC, ATTO 390, ATTO 488, ATTO 565, ATTO 594, ATTO 633, ATTO 655, ATTO 680, ATTO 700, Biotin, FITC, HRP, PE/ATTO 594, PerCP, RPE, Streptavidin, Unconjugated

### Properties

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#### Storage Buffer

PBS pH7.4, 50% glycerol, 0.09% sodium azide

#### Storage Temperature

-20°C

#### Shipping Temperature

Blue Ice or 4°C

#### Purification

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Protein G Purified

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**Clonality**

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Monoclonal

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**Clone Number**

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S271-44

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**Isotype**

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IgG1

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**Specificity**

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Detects ~60kDa.

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**Cite This Product**

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Mouse Anti-Mouse ASIC1 Monoclonal, Clone S271-44 (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SMC-427)

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**Certificate Of Analysis**

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1 µg/ml of SMC-427 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.

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**Biological Description**

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**Alternative Names**

ACCN2 Antibody, Acid-sensing (proton-gated) ion channel Antibody, Acid-sensing ion channel 1 Antibody, Amiloride-sensitive cation channel 2 neuronal Antibody, BNAC2 Antibody, Brain sodium channel 2 Antibody

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**Research Areas**

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Ion Channels, Neuroscience, Proton-Gated Sodium Channels, Sodium Channels

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**Cellular Localization**

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Cell membrane

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**Accession Number**

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NP\_033727.1

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**Gene ID**

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11419

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**Swiss Prot**

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Q6NXX8

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**Scientific Background**

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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. In situ 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<sup>+</sup>-gated currents may contribute to the development of fear and anxiety.

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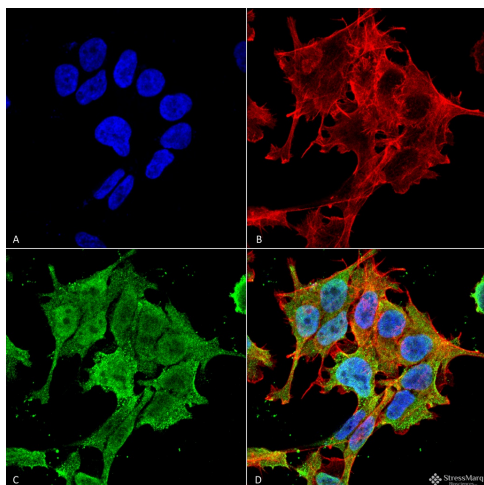
**References**

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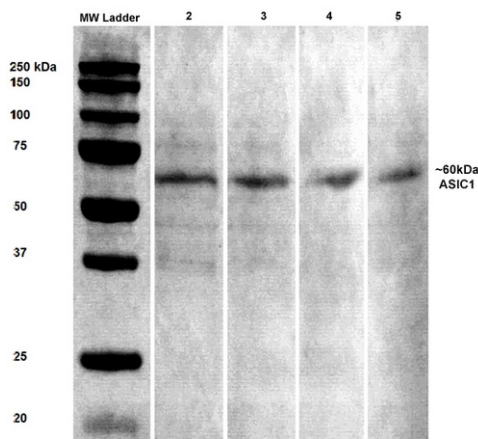
1. Garcia-Anoveros J., Derfler B., Neville-Golden J., Hyman B.T. and Corey D.P. (1997) Proc. Natl. Acad. Sci. USA 94: 1459-1464.
2. Waldmann R., Champigny G., Bassilana F., Heurteaux C. and Lazdunski M. (1997) Nature. 386: 173-177.
3. Grunder S., Geisler H.S., Rainier S. and Fink J.K. (2001) Eur. J. Hum. Genet. 9:672-676.

4. Chen C.C., Zimmer A., Sun W.H., Hall J., Brownstein M.J. and Zimmer A. (2002) Proc. Natl. Acad. Sci. USA 99: 8992-8997.  
5. Wemmie J.A., et al. (2004) Proc. Natl. Acad. Sci. USA 101: 3621-3626 .

## Product Images



Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-ASIC1 Monoclonal Antibody, Clone S271-44 (SMC-427). Tissue: Neuroblastoma cell line SK-N-BE. Species: Human. Fixation: 4% Formaldehyde for 15 min at RT. Primary Antibody: Mouse Anti-ASIC1 Monoclonal Antibody (SMC-427) 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. (A) DAPI (blue) nuclear stain (B) Phalloidin Texas Red F-Actin stain (C) ASIC1 Antibody (D) Composite.



Western Blot analysis of Rat brain lysates showing detection of ASIC1 protein using Mouse Anti-ASIC1 Monoclonal Antibody, Clone S271-44 (SMC-427). Primary Antibody: Mouse Anti-ASIC1 Monoclonal Antibody (SMC-427) at 1:100, 1:250, 1:500, and 1:1000.

## Product Citations (0)

Currently there are no citations for this product.

## Reviews

There are no reviews yet.