

Datasheet for ABIN7042916

**anti-ASIC3 antibody (Intracellular, N-Term)****3** Images[Go to Product page](#)

## Overview

Quantity:	25 µL
Target:	ASIC3 (ACCN3)
Binding Specificity:	AA 2-16, Intracellular, N-Term
Reactivity:	Rat, Mouse
Host:	Guinea Pig
Clonality:	Polyclonal
Conjugate:	This ASIC3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

## Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: KPRSGLEEAQRRQAS(C), corresponding to amino acid residues 2-16 of rat ASIC3
Isotype:	IgG
Characteristics:	Guinea pig Anti-ASIC3 Antibody is directed against an epitope of rat ASIC3. Guinea pig Anti-ASIC3 Antibody (#) raised in guinea pig can be used in western blot and immunohistochemistry applications. It has been designed to recognize ASIC3 from rat, human, and mouse samples. The antigen used to immunize guinea pigs is the same as Anti-ASIC3 Antibody (ABIN7042917, ABIN7045243 and ABIN7045244)) raised in rabbit. Our line of guinea pig antibodies enables more flexibility with our products such as multiplex staining studies, immunoprecipitation, etc.
Purification:	Affinity purified on immobilized antigen.

## Target Details

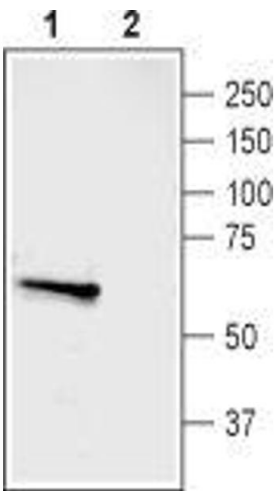
Target:	ASIC3 (ACCN3)
Alternative Name:	ASIC3 ( <a href="#">ACCN3 Products</a> )
Background:	Alternative names: ASIC3, Acid-sensing ion channel 3, Amiloride-sensitive cation channel 3, ACCN3, DRASIC
Gene ID:	286920
NCBI Accession:	<a href="#">NM_004769</a>
UniProt:	<a href="#">O35240</a>

## Application Details

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

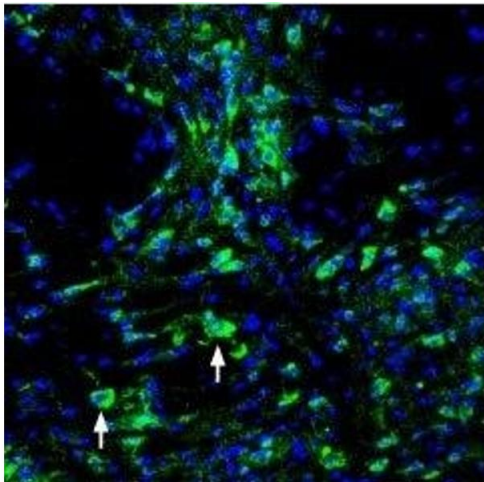
## Handling

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>



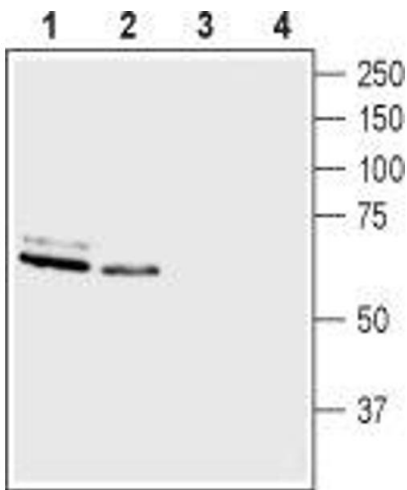
#### Western Blotting

**Image 1.** Western blot analysis of rat dorsal root ganglion (DRG) lysate: - 1. Guinea pig Anti-ASIC3 Antibody (ABIN7042916, ABIN7045408 and ABIN7045409), (1:1000).2. Guinea pig Anti-ASIC3 Antibody, preincubated with ASIC3 Blocking Peptide (#BLP-SC018).



#### Immunohistochemistry

**Image 2.** Expression of ASIC3 in mouse dorsal raphe nucleus - Immunohistochemical staining of perfusion-fixed frozen mouse brain sections using Guinea pig Anti-ASIC3 Antibody (ABIN7042916, ABIN7045408 and ABIN7045409), (1:200), followed by goat-anti-guinea pig-AlexaFluor-488 secondary antibody. ASIC3 staining (green) appears in the soma of dorsal raphe nucleus (DRN) neurons (arrows). Nuclei are stained with DAPI (blue).



#### Western Blotting

**Image 3.** Western blot analysis of rat brain membranes (lanes 1 and 3) and mouse brain membranes (lanes 2 and 4): - 1,2. Guinea pig Anti-ASIC3 Antibody (ABIN7042916, ABIN7045408 and ABIN7045409), (1:1000).3,4. Guinea pig Anti-ASIC3 Antibody, preincubated with ASIC3 Blocking Peptide (#BLP-SC018).