

## DATASHEET

# ASIC3 Rabbit Polyclonal Antibody

CAT. NO. APA18516

### KEY FEATURES

Target	ASIC3	Source / Host	Rabbit
Reactivity	Human	Clonality	Polyclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at -20°C

### BACKGROUND

Forms pH-gated heterotrimeric sodium channels that act as postsynaptic excitatory receptors in the nervous system . Upon extracellular acidification, these channels generate a biphasic current with a fast inactivating and a slow sustained phase . ASIC3 is more sensitive to protons and gates between closed, open, and desensitized states faster than other ASICs . Displays high selectivity for sodium ions but can also permit the permeation of other cations . As a neuronal acid sensor, probably contributes to mechanoreception, acid nociception, and heat nociception .

### APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
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\*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

### PRODUCT OVERVIEW

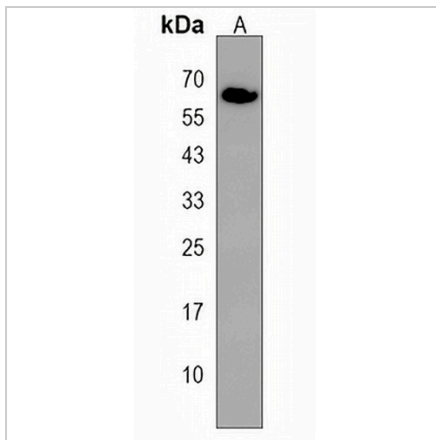
Description	Rabbit polyclonal antibody to ASIC3
Specificity	Recognizes endogenous levels of ASIC3 protein.
Antibody Type	Primary antibody
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the N-terminal region of human ASIC3. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 58 kD; Observed: 68 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	ACCN3; SLNAC1; TNAC1; Acid-sensing ion channel 3; ASIC3; hASIC3; Amiloride-sensitive cation channel 3; Neuronal amiloride-sensitive cation channel 3; Testis sodium channel 1; hTNaC1
Gene Symbol	ASIC3
Entrez Gene	9311(Human)
SwissProt	Q9UHC3(Human)

\*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact [info@arexbio.com](mailto:info@arexbio.com) or your local distributor.

\*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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**DATA**

Western blot analysis of ASIC3 expression in CEM (A) whole cell lysates. (Predicted band size: 58 kD; Observed band size: 68 kD)

**STORAGE**

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

**NOTE**

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.