

**DATASHEET**

**ASIC2 Rabbit Polyclonal Antibody**

CAT. NO. APA15111

**KEY FEATURES**

Target	ASIC2	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	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 trimeric sodium channels that act as postsynaptic excitatory sensors in the nervous system . Upon extracellular acidification, these channels generate rapid, transient inward currents that fully desensitize . Highly selective for sodium, they are permeable to other cations . By forming heterotrimeric channels with ASIC1, could contribute to synaptic plasticity, learning, and memory. Additionally, as acid sensors at nerve terminals, plays a role in mechanosensation and phototransduction .

**APPLICATION**

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

WB	1:500 - 1:2000
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\*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

**PRODUCT OVERVIEW**

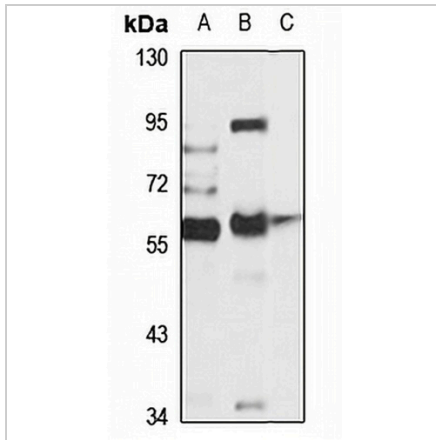
Description	Rabbit polyclonal antibody to ASIC2
Specificity	Recognizes endogenous levels of ASIC2 protein
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human ASIC2. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 57; Observed: 58 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	ACCN; ACCN1; BNAC1; MDEG; Acid-sensing ion channel 2; ASIC2; Amiloride-sensitive brain sodium channel; Amiloride-sensitive cation channel 1 neuronal; Amiloride-sensitive cation channel neuronal 1; Brain sodium channel 1; BNC1; BNaC1; Mammalian degenerin homolog
Gene Symbol	ASIC2
Entrez Gene	40(Human); 11418(Mouse); 25364(Rat)
SwissProt	Q16515(Human); Q925H0(Mouse); Q62962(Rat)

\*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 ASIC2 expression in HEK293T (A), mouse brain (B), rat lung (C) whole cell lysates. (Predicted band size: 57; 62 kD; Observed band size: 58 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.