

**Anti-ASIC1 Reference Antibody (Regeneron patent anti-ASIC1)
Recombinant Antibody
Catalog # APR10786****Specification**

Anti-ASIC1 Reference Antibody (Regeneron patent anti-ASIC1) - Product Information

Application	FC, Kinetics, Animal Model
Primary Accession	P78348
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	145.22 KDa

Anti-ASIC1 Reference Antibody (Regeneron patent anti-ASIC1) - Additional Information**Target/Specificity**
ASIC1**Endotoxin**
< 0.001EU/ µg,determined by LAL method.**Conjugation**
Unconjugated**Expression system**
CHO Cell**Format**
Purified monoclonal antibody supplied in PBS, pH6.0, without preservative.This antibody is purified through a protein A column.**Anti-ASIC1 Reference Antibody (Regeneron patent anti-ASIC1) - Protein Information****Name** ASIC1 ([HGNC:100](#))**Function**
Forms voltage-independent, pH-gated trimeric sodium channels that act as postsynaptic excitatory receptors in the nervous system, playing a crucial role in regulating synaptic plasticity, learning, and memory (PubMed:21036899, PubMed:32915133, PubMed:34319232). Upon extracellular pH drop this channel elicits transient, fast activating, and completely desensitizing inward currents (PubMed:21036899). Displays high selectivity for sodium ions but can also permit the permeation of other cations (PubMed:21036899). Regulates more or less directly intracellular calcium concentration and CaMKII phosphorylation, and thereby the density of dendritic spines. Modulates neuronal activity in the circuits underlying innate fear

(By similarity).

Cellular Location

Cell membrane; Multi-pass membrane protein Postsynaptic cell membrane {ECO:0000250|UniProtKB:Q6NXX8}. Cell projection, dendrite {ECO:0000250|UniProtKB:Q6NXX8}. Note=Isolated in synaptosomes from the dendritic synapses of neurons {ECO:0000250|UniProtKB:Q6NXX8}

Tissue Location

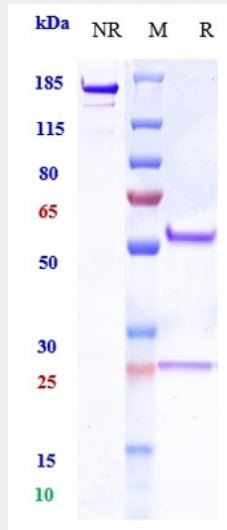
Expressed in neurons throughout the central and peripheral nervous system.

Anti-ASIC1 Reference Antibody (Regeneron patent anti-ASIC1) - Protocols

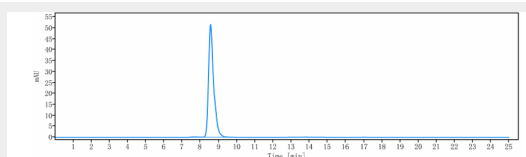
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-ASIC1 Reference Antibody (Regeneron patent anti-ASIC1) - Images



Anti-ASIC1 Reference Antibody (Regeneron patent anti-ASIC1) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%



The purity of Anti-ASIC1 Reference Antibody (Regeneron patent anti-ASIC1) is more than 95%, determined by SEC-HPLC.