

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

Recombinant Antibody  
Catalog # APR10786

## Product Information

Application	FC, Kinetics, Animal Model
Primary Accession	<a href="#">P78348</a>
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	59909

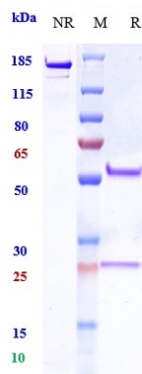
## Additional Information

Target/Specificity	ASIC1
Endotoxin 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.

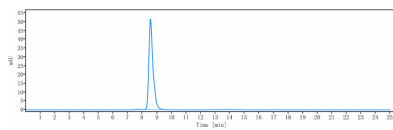
## Protein Information

Name	ASIC1 ( <a href="#">HGNC:100</a> )
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: <a href="#">21036899</a> , PubMed: <a href="#">32915133</a> , PubMed: <a href="#">34319232</a> ). Upon extracellular pH drop this channel elicits transient, fast activating, and completely desensitizing inward currents (PubMed: <a href="#">21036899</a> ). Displays high selectivity for sodium ions but can also permit the permeation of other cations (PubMed: <a href="#">21036899</a> ). 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.

## 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.

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