ASIC1 Antibody (RQ5564)

Catalog No.	Formulation	Size
RQ5564	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	P78348
Applications	Western blot: 0.25-0.5ug/ml Direct ELISA: 0.1-0.5ug/ml
Limitations	This ASIC1 antibody is available for research use only.



Western blot testing of human ThP-1 cell lysate with ASIC1 antibody. Predicted molecular weight ~60 kDa.

Description

Acid-sensing ion channel 1 (ASIC1) also known as amiloride-sensitive cation channel 2, neuronal (ACCN2) or brain sodium channel 2 (BNaC2) is a protein that in humans is encoded by the ASIC1 gene. It is mapped to 12q13.12. This gene encodes a member of the acid-sensing ion channel (ASIC) family of proteins, which are part of the degenerin/epithelial sodium channel (DEG/ENaC) superfamily. Members of the ASIC family are sensitive to amiloride and function in neurotransmission. The encoded proteins function in learning, pain transduction, touch sensation, and development of memory and fear. Alternatively spliced transcript variants have been described.

Application Notes

Optimal dilution of the ASIC1 antibody should be determined by the researcher.

Immunogen

A human recombinant protein (amino acids H163-C528) was used as the immunogen for the ASIC1 antibody.

Storage

After reconstitution, the ASIC1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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