

Na⁺ CP type VII Alpha Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP05757
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human SCN7A. AA range:771-820
Mol wt	193473
Species reactivity	Human, Monkey
Clonality	Polyclonal
Recommended application	WB, IF, ELISA
Concentration	1 mg/ml
Full name	Na ⁺ CP type VIIalpha Antibody
Synonyms	SCN7A; SCN6A; Sodium channel protein type 7 subunit alpha; Putative voltage-gated sodium channel subunit alpha Na _x ; Sodium channel protein cardiac and skeletal muscle subunit alpha; Sodium channel pro

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

SCN7A (sodium voltage-gated channel alpha subunit 7) encodes one of the many voltage-gated sodium channel proteins. For proper functioning of neurons and muscles during action potentials, voltage-gated sodium channels direct sodium ion diffusion for membrane depolarization. This sodium channel protein has some atypical characteristics; the similarity between the human and mouse proteins is lower compared to other orthologous sodium channel pairs. Also, the S4 segments, which sense voltage changes, have fewer positive charged residues that in other sodium channels; domain 4 has fewer arginine and lysine residues compared to other sodium channel proteins. Several alternatively spliced transcript variants exist, but the full-length natures of all of them remain unknown.

Recommended Dilution

WB: 1: 500 - 1: 2000

IF: 1: 200 - 1: 1000

ELISA: 1: 20000

Not yet tested in other applications.

Images

No images.

Storage

-20°C for one year