

## Anti-SCN4B Antibody (aa61-110)

Rabbit Anti Human Polyclonal Antibody Catalog # ALS18152

## **Product Information**

Application	WB, IHC-P, E
Primary Accession	<u>Q8IWT1</u>
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	24969

## **Additional Information**

Gene ID	6330
Alias Symbol Other Names	SCN4B SCN4B, LQT10, Navbeta4, Sodium channel subunit beta-4
Target/Specificity	SCN4B Antibody detects endogenous levels of total SCN4B protein.
Reconstitution & Storage	Immunoaffinity purified
Precautions	Anti-SCN4B Antibody (aa61-110) is for research use only and not for use in diagnostic or therapeutic procedures.

## **Protein Information**

Name	SCN4B ( <u>HGNC:10592</u> )
Function	Regulatory subunit of multiple voltage-gated sodium (Nav) channels directly mediating the depolarization of excitable membranes. Navs, also called VGSCs (voltage-gated sodium channels) or VDSCs (voltage-dependent sodium channels), operate by switching between closed and open conformations depending on the voltage difference across the membrane. In the open conformation they allow Na(+) ions to selectively pass through the pore, along their electrochemical gradient. The influx of Na+ ions provokes membrane depolarization, initiating the propagation of electrical signals throughout cells and tissues. The accessory beta subunits participate in localization and functional modulation of the Nav channels (PubMed: <u>24297919</u> ). Modulates the activity of SCN1A/Nav1.1 (PubMed: <u>33712547</u> ). Modulates the activity of SCN2A/Nav1.2 (PubMed: <u>24297919</u> ).
Cellular Location	Cell membrane; Single-pass type I membrane protein

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.