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Anti-SCN4B Antibody (aa61-110)

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS18152

Product Information

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

Additional Information

Gene ID	6330
Alias Symbol	SCN4B
Other Names	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 (HGNC:10592)
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:24297919). Modulates the activity of SCN1A/Nav1.1 (PubMed:33712547). Modulates the activity of SCN2A/Nav1.2 (PubMed:24297919).
Cellular Location	Cell membrane; Single-pass type I membrane protein

Tissue Location	Expressed at a high level in dorsal root ganglia, at a lower level in brain, spinal cord, skeletal muscle and heart Expressed in the atrium.