
Summary

Production Name	Scn4b Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human,Rat,Mouse

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	SCN4B
Alternative Names	SCN4B; Sodium channel subunit beta-4
Gene ID	6330.0
SwissProt ID	Q8IWT1.The antiserum was produced against synthesized peptide derived from human SCN4B. AA range:61-110

Application

Dilution Ratio	WB 1:500 - 1:2000. ELISA: 1:10000..
Molecular Weight	27kD

Background

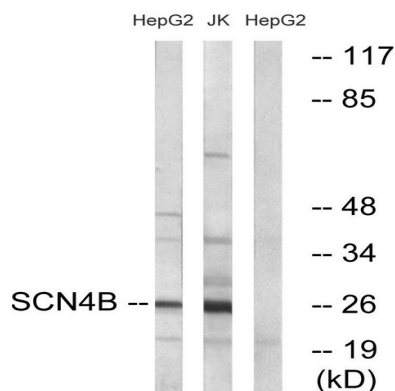
Product Name: Scn4b Rabbit Polyclonal Antibody
Catalog #: APRab17655



The protein encoded by this gene is one of several sodium channel beta subunits. These subunits interact with voltage-gated alpha subunits to change sodium channel kinetics. The encoded transmembrane protein forms interchain disulfide bonds with SCN2A. Defects in this gene are a cause of long QT syndrome type 10 (LQT10). Three protein-coding and one non-coding transcript variant have been found for this gene.[provided by RefSeq, Mar 2009],disease:Defects in SCN4B are the cause of long QT syndrome type 10 (LQT10) [MIM:611819]. Long QT syndromes are heart disorders characterized by a prolonged QT interval on the ECG and polymorphic ventricular arrhythmias. They cause syncope and sudden death in response to exercise or emotional stress. They can present with a sentinel event of sudden cardiac death in infancy.,function:Modulates channel gating kinetics. Causes negative shifts in the voltage dependence of activation of certain alpha sodium channels, but does not affect the voltage dependence of inactivation.,PTM:Contains a number of interchain disulfide bonds with SCN2A.,similarity:Contains 1 Ig-like C2-type (immunoglobulin-like) domain.,subunit:The voltage-sensitive sodium channel consists of an ion conducting pore forming alpha-subunit regulated by one or more beta-1, beta-2, beta-3 and/or beta-4 subunits. Beta-1 and beta-3 are non-covalently associated with alpha, while beta-2 and beta-4 are covalently linked by disulfide bonds. Associates with SCN2A.,tissue specificity:Expressed at a high level in dorsal root ganglia, at a lower level in brain, spinal cord, skeletal muscle and heart.,

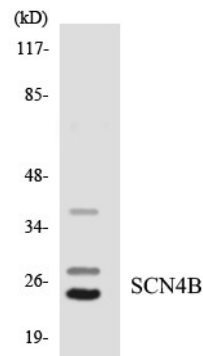
Research Area

Image Data

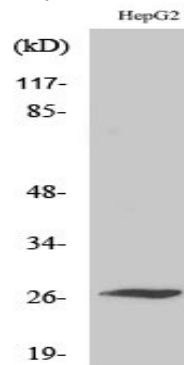


Western blot analysis of lysates from HepG2 and Jurkat cells, using SCN4B Antibody. The lane on the right is blocked with the synthesized peptide.

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Western blot analysis of the lysates from HeLa cells using SCN4B antibody.



Western Blot analysis of various cells using Scn4b Polyclonal Antibody

Note

For research use only.