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SCN4B Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP50819

Specification

SCN4B Antibody - Product Information

Application	**WB**
Primary Accession	Q8IWT1
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**25,13,10 KDa**
Antigen Region	**76-103**

SCN4B Antibody - Additional Information

Gene ID 6330

Other Names
Sodium channel subunit beta-4, SCN4B

Dilution
WB~~ 1:1000

Format
Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol.

Storage Conditions
-20℃

SCN4B Antibody - Protein Information

Name SCN4B

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. Modulates the susceptibility of the sodium channel to inhibition by toxic peptides from spider, scorpion, wasp and sea anemone venom.

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.

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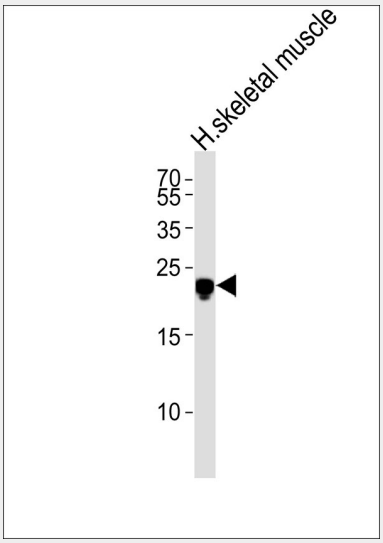
SCN4B Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

SCN4B Antibody - Images



Western blot analysis of lysate from human skeletal muscle tissue lysate,using SCN4B Antibody. This antibody was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody.Lysate at 35ug.

SCN4B Antibody - Background

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 (By similarity).

SCN4B Antibody - References

Yu F.H.,et al.J. Neurosci. 23:7577-7585(2003).
Taylor T.D.,et al.Nature 440:497-500(2006).
Medeiros-Domingo A.,et al.Circulation 116:134-142(2007).