

SCN4B Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP53322**Specification**

SCN4B Antibody - Product Information

Application	WB
Primary Accession	Q8IWT1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	25 KDa
Antigen Region	61-110

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 , pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol

Storage

Store at -20 °C.Stable for 12 months from date of receipt

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

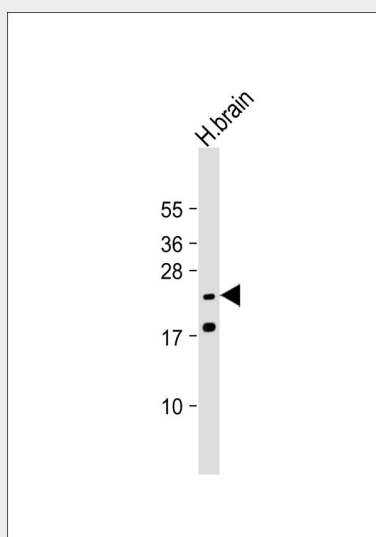
Expressed at a high level in dorsal root ganglia, at a lower level in brain, spinal cord, skeletal muscle and heart Expressed in the atrium.

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 Cytometry](#)
- [Cell Culture](#)

SCN4B Antibody - Images



Anti-SCN4B Antibody at 1:1000 dilution + human brain lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 25 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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

SCN4B Antibody - References

Yu F.H., et al. J. Neurosci. 23:7577-7585(2003).
Taylor T.D., et al. Nature 440:497-500(2006).
Gilchrist J., et al. Proc. Natl. Acad. Sci. U.S.A. 110:E5016-E5024(2013).
Medeiros-Domingo A., et al. Circulation 116:134-142(2007).
Olesen M.S., et al. Cardiovasc. Res. 89:786-793(2011).