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Scn1b Antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI10854

Specification

Scn1b Antibody - N-terminal region - Product Information

Application	**WB**
Primary Accession	Q00954
Other Accession	NM_017288, NP_058984
Reactivity	**Human, Mouse, Rat, Rabbit, Horse, Bovine, Dog**
Predicted	**Human, Mouse, Rat, Pig, Bovine, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**23kDa KDa**

Scn1b Antibody - N-terminal region - Additional Information

Gene ID 29686

Other Names
Sodium channel subunit beta-1, Scn1b

Format
Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage
Add 50 ul of distilled water. Final anti-Scn1b antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions
Scn1b Antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Scn1b Antibody - N-terminal region - Protein Information

Name Scn1b

Function
Regulatory subunit of multiple voltage-gated sodium channel complexes that play important roles in excitable membranes in brain, heart and skeletal muscle (PubMed:1375395, PubMed:8282123, PubMed:8021275, PubMed:15178439, PubMed:28012039). Enhances the presence of the pore-forming alpha subunit at the cell surface and modulates channel gating characteristics and the rate of channel inactivation (PubMed:<a

href="http://www.uniprot.org/citations/1375395" target="_blank">1375395, PubMed:8282123, PubMed:8021275, PubMed:15178439, PubMed:28012039). Modulates the activity of a variety of pore-forming alpha subunits, such as SCN1A, SCN2A, SCN3A, SCN4A, SCN5A and SCN10A (PubMed:1375395, PubMed:8282123, PubMed:8021275, PubMed:15178439, PubMed:28012039).

Cellular Location
Cell membrane; Single-pass type I membrane protein {ECO:0000250|UniProtKB:Q07699} Perikaryon {ECO:0000250|UniProtKB:P97952}. Cell projection {ECO:0000250|UniProtKB:P97952}. Cell projection, axon. Note=Detected at nodes of Ranvier on the sciatic nerve.

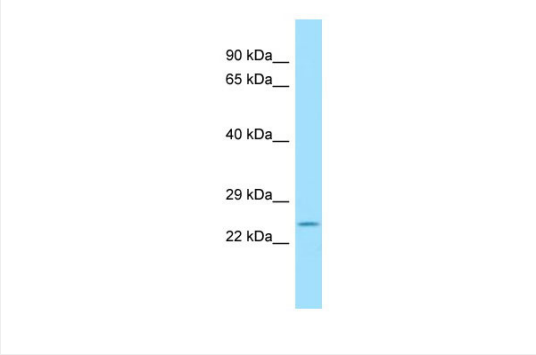
Tissue Location
Detected in brain (at protein level) (PubMed:11470829). Expressed in brain, heart, skeletal muscle and spinal cord (PubMed:1375395, PubMed:8282123)

Scn1b Antibody - N-terminal region - 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

Scn1b Antibody - N-terminal region - Images



WB Suggested Anti-Scn1b Antibody Titration: 1.0 µg/ml
Positive Control: Rat Thymus