# SCN1B rabbit pAb

# Cat#: orb773154 (Manual)
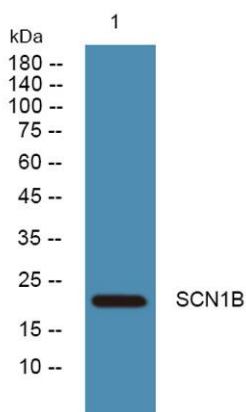
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| **Product Name** | SCN1B rabbit pAb |
| **Host species** | Rabbit |
| **Applications** | WB;ELISA |
| **Species Cross-Reactivity** | Human;Rat;Mouse |
| **Recommended dilutions** | WB 1:500-2000 ELISA 1:5000-20000 |
| **Immunogen** | Synthesized peptide derived from part region of human protein |
| **Specificity** | SCN1B Polyclonal Antibody detects endogenous levels of protein. |
| **Formulation** | Liquid in PBS containing 50% glycerol,    and 0.02% sodium azide.. |
| **Storage** | Store at -20°C. Avoid repeated freeze-thaw cycles. |
| **Protein Name** | Sodium channel subunit beta-1 |
| **Gene Name** | SCN1B |
| **Cellular localization** | [Isoform 1]: Cell membrane ; Single-pass type I membrane protein . Perikaryon . Cell projection . Cell projection, axon . Detected at nodes of Ranvier on the sciatic nerve. .; [Isoform 2]: Perikaryon . Cell projection . Secreted . Detected on Purkinje cells and their cell projections and on neuronal cell projections. . |
| **Purification** | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using       epitope-specific immunogen. |

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| **Clonality** | Polyclonal |
| **Concentration** | 1 mg/ml |
| **Observed band** | 23kD |
| **Human Gene ID** | 6324 |
| **Human Swiss-Prot Number** | Q07699 |
| **Alternative Names** | |

**Background**

Voltage-gated sodium channels are heteromeric proteins that function in the generation and propagation of action potentials in muscle and neuronal cells. They are composed of one alpha and two beta subunits, where the alpha subunit provides channel activity and the beta-1 subunit modulates the kinetics of channel inactivation. This gene encodes a sodium channel beta-1 subunit. Mutations in this gene result in generalized epilepsy with febrile seizures plus, Brugada syndrome 5, and defects in cardiac conduction. Multiple transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Oct 2009],



**Western blot analysis of lysates from A431 cells, primary antibody was diluted at 1:1000, 4°over night**