

## Anti-SCN1B Antibody Picoband® Fluoro488 Conjugated

Catalog Number: A03061-1-Fluoro488

### About SCN1B

Voltage-gated sodium (Na<sup>+</sup>) channels are essential for the generation and propagation of action potentials in striated muscle and neuronal tissues. The complete coding region of Sodium channel, voltage-gated, beta 1 (SCN1B) is found in approximately 9.0 kb of genomic DNA and consists of five exons (72 to 749 bp) and four introns (90 bp to 5.5 kb). It is mapped to 19q13.1 and can act as a candidate gene for hereditary disorders affecting membrane excitability. Sodium channel beta1 subunits play important roles in the regulation of sodium channel density and localization and are involved in axo-glia communication at nodes of Ranvier.

### Overview

Product Name	Anti-SCN1B Antibody Picoband® Fluoro488 Conjugated
Reactive Species	Human, Mouse, Rat
Application	Recommended applications are based on the parent unconjugated antibody (ELISA, IHC, WB). Customers may select suitable applications according to their experimental needs.
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% NaN <sub>3</sub> .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	Q07699

### Technical Details

Immunogen	E.coli-derived human SCN1B recombinant protein (Position: C21-E218).
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Fluoro488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Suggested Dilutions	Optimal dilutions should be determined by end users.

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