

Datasheet for ABIN654602
anti-SCN1B antibody (N-Term)

3 Images

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Overview

Quantity:	400 µL
Target:	SCN1B
Binding Specificity:	AA 63-90, N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SCN1B antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This SCN1B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 63-90 amino acids from the N-terminal region of human SCN1B.
Clone:	RB22198
Isotype:	Ig Fraction
Predicted Reactivity:	B, Rb, Rat
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	SCN1B
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Target Details

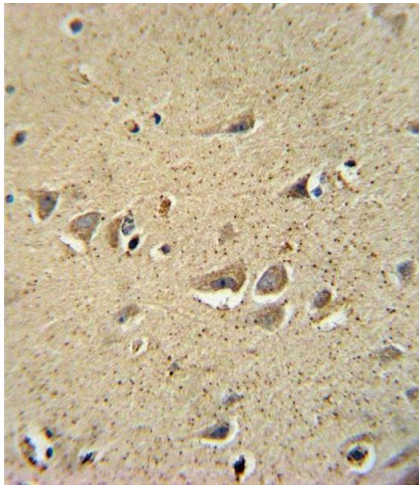
Alternative Name:	SCN1B (SCN1B Products)
Background:	Voltage-gated sodium channels are heteromeric proteins that function in the generation and propagation of action potentials in muscle and neuronal cells. They are composed of one alpha and two beta subunits, where the alpha subunit provides channel activity and the beta-1 subunit modulates the kinetics of channel inactivation. SCN1B 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.
Molecular Weight:	24707
Gene ID:	6324
NCBI Accession:	NP_001028 , NP_950238
UniProt:	Q07699

Application Details

Application Notes:	WB: 1:1000. IHC-P: 1:10~50. FC: 1:10~50
Restrictions:	For Research Use only

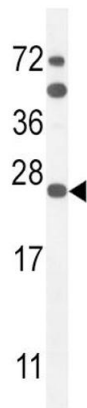
Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid freeze-thaw cycles.
Storage:	4 °C, -20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots.
Expiry Date:	6 months



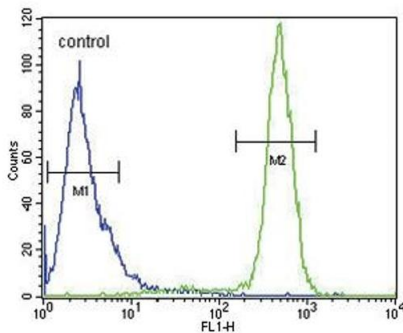
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. SCN1B Antibody (N-Term) (ABIN654602 and ABIN2844301) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the SCN1B Antibody (N-Term) for immunohistochemistry. Clinical relevance has not been evaluated.



Western Blotting

Image 2. SCN1B Antibody (N-Term) (ABIN654602 and ABIN2844301) western blot analysis in mouse Neuro-2a cell line lysates (35 µg/lane). This demonstrates the SCN1B antibody detected the SCN1B protein (arrow).



Flow Cytometry

Image 3. SCN1B Antibody (N-Term) (ABIN654602 and ABIN2844301) flow cytometric analysis of HeLa cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.