antibodies .- online.com







anti-SCN1B antibody (N-Term)

Images



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Quantity:	0.4 mL	
Target:	SCN1B	
Binding Specificity:	AA 70-98, 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)), Enzyme Immunoassay (EIA)	
Product Details		
Immunogen:	KLH conjugated synthetic peptide between 70-98 amino acids from the N-terminal region of	
	Human SCN1B Genename: SCN1B	
Isotype:	lg Fraction	
Specificity:	Recognizes SCN1B (N-Term).	
Purification:	Protein A column followed by peptide Affinity purification	
Target Details		
Target:	SCN1B	
Alternative Name:	SCN1B (SCN1B Products)	

Target Details

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. Synonyms: Sodium channel subunit beta-1
Gene ID:	6324
Gene ID:	6324

Application Details

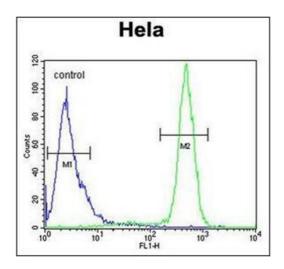
NP_001028

NCBI Accession:

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only
Handling	

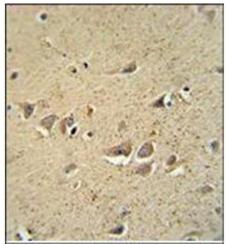
Handling

Format:	Liquid	
Concentration:	0.25 mg/mL	
Buffer:	PBS with 0.09 % (W/V) Sodium Azide as preservative	
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 repeated freezing and thawing.	
Storage:	4 °C/-20 °C	
Storage Comment:	Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.	



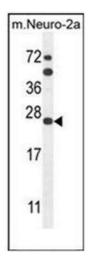
Flow Cytometry

Image 1. Flow Cytometric analysis of Hela cells using SCN1B Antibody (N-Term) Cat.-No AP53815PU-N (Right histogram) compared to a negative control cell (Left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Immunohistochemistry analysis in Formalin Fixed, Paraffin Embedded Human brain tissue stained with SCN1B Antibody (N-term) 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 3. Western blot analysis of SCN1B Antibody (N-Term) Cat.-No AP53815PU-N in Mouse Neuro-2a cell line lysates (35ug/lane). This demonstrates the SCN1B antibody detected the SCN1B protein (arrow).