

[Go to Product page](#)

Datasheet for ABIN735923 **anti-SCN1A antibody (AA 1901-2009)**

Overview

Quantity:	100 µL
Target:	SCN1A
Binding Specificity:	AA 1901-2009
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SCN1A antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human SCN1A
Isotype:	IgG
Predicted Reactivity:	Human, Mouse, Rat, Dog, Cow, Horse, Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	SCN1A
Alternative Name:	SCN1A (SCN1A Products)

Target Details

Background:	<p>Synonyms: alpha, brain sodium channel type I, EIEE6, FEB3, FEB3A, FHM3, GEFS+2, GEFSP2, HBSC I, HBSCI, MIM 182390, NAC1, Nav 1.1, RBI, SCN1, Scn1a, SCN1A_HUMAN, SCN2A1, SMEI, sodium channel, Sodium channel protein brain I alpha subunit, Sodium channel protein brain I subunit alpha, Sodium channel protein type 1 subunit alpha, Sodium channel protein type I subunit alpha, Sodium channel voltage gated type 1 alpha subunit, Sodium channel voltage gated type I alpha polypeptide, type I, voltage gated, Voltage-gated sodium channel subunit alpha Nav1.1.</p> <p>Background: SCN1A is a voltage-gated ion channel essential for the generation and propagation of action potentials, mainly in nerve and muscle. Voltage-sensitive sodium channels are heteromeric complexes consisting of a large central pore-forming glycosylated alpha subunit, and two smaller auxiliary beta subunits. This gene encodes the large alpha subunit, and mutations in this gene have been associated with several epilepsy, convulsion and migraine disorders. Alternative splicing results in multiple transcript variants. The RefSeq Project has decided to create four representative RefSeq records. Three of the transcript variants are supported by experimental evidence and the fourth contains alternate 5' untranslated exons, the exact combination of which have not been experimentally confirmed for the full-length transcript</p>
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Gene ID:	6323
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Application Details

Application Notes:	ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin

Handling

Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months