

Rabbit SCN11A Polyclonal Antibody | anti-SCN11A antibody

Anti-SCN11A Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA125474	Rabbit	Human, Mouse, Rat	Flow Cytometry, Functional Assay, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

SCN11A; Polyclonal Antibody; Anti-SCN11A Antibody; Sodium channel protein type 11 subunit alpha; Peripheral nerve sodium channel 5; PN5; Sensory neuron sodium channel 2; Sodium channel protein type XI subunit alpha; Voltage-gated sodium channel subunit alpha Nav1.9; hNaN; SCN12A; SNS2; anti-SCN11A antibody

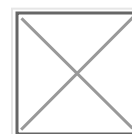
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	1791
Applicable Applications for anti-SCN11A antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence of human SCN11A (MDDRCYPVIFPDERNFRPFTSDSLAAIEKRIA IQKEKKK).
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen store at -20 degree C for a longer time. Avoid repeated freezing and thawing.

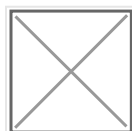
IMAGES



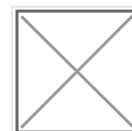
WB (Western Blot)



IHC (Immunohistochemistry)



IHC (Immunohistochemistry)



FCM/FACS (Flow Cytometry)

ADDITIONAL INFORMATION

Related Product Information for anti-SCN11A antibody	Description: Rabbit IgG polyclonal antibody for SCN11A detection. Tested with WB, IHC-P, FCM in Human; Mouse; Rat. Background: Sodium channel, voltage-gated, type XI, alpha subunit also known as SCN11A or Nav1.9 is a voltage-gated sodium ion channel protein which is encoded by the SCN11A gene on chromosome 3 in humans. Voltage-gated sodium channels are transmembrane glycoprotein complexes composed of a large alpha subunit with 24 transmembrane domains and one or more regulatory beta subunits. They are responsible for the generation and propagation of action potentials in neurons and muscle. This gene encodes one member of the sodium channel alpha subunit gene family, and is highly expressed in nociceptive neurons of dorsal root ganglia and trigeminal ganglia. It mediates brain-derived neurotrophic factor-evoked membrane depolarization and is a major effector of peripheral inflammatory pain hypersensitivity. Mutations in this gene have been associated with hereditary sensory and autonomic neuropathy type VII and familial episodic pain syndrome-3. Alternative splicing results in multiple transcript variants.
References	1. Dib-Hajj S, Black JA, Cummins TR, Waxman SG (May 2002). "NaN/Nav1.9: a sodium channel with unique properties". Trends in Neurosciences. 25 (5): 253-9. 2. Dib-Hajj SD, Tyrrell L, Waxman SG (2002). "Structure of the sodium channel gene SCN11A: evidence for intron-to-exon conversion model and implications for gene evolution". Molecular Neurobiology. 26 (2-3): 235-50. 3. Dib-Hajj SD, Black JA, Waxman SG (September 2015). "Nav1.9: a sodium channel linked to human pain". Nature Reviews. Neuroscience. 16 (9): 511-9.

NCBI AND UNIPROT INFORMATION

NCBI GI #	115583667
NCBI GeneID	11280
NCBI Accession #	NP_054858.2
NCBI GenBank Nucleotide #	NP_054858.2
UniProt Accession #	Q9UI33
NCBI Official Full Name	sodium channel protein type 11 subunit alpha
NCBI Official Synonym Full Names	sodium voltage-gated channel alpha subunit 11
NCBI Official Symbol	SCN11A
NCBI Official Synonym Symbols	NaN; PN5; FEPS3; HSN7; SNS-2; NAV1.9; SCN12A
NCBI Protein Information	sodium channel protein type 11 subunit alpha
UniProt Protein Name	Sodium channel protein type 11 subunit alpha
UniProt Gene Name	SCN11A
UniProt Synonym Gene Names	SCN12A; SNS2; PN5
UniProt Entry Name	SCNBA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/scn11a-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/125474>