

Rabbit anti-Human SCN11A Polyclonal Antibody | anti-SCN11A antibody

SCN11A Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA234715	Rabbit	Human	Immunofluorescence, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

SCN11A; Polyclonal Antibody; 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
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	1,753
Applicable Applications for anti-SCN11A antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant Human Sodium channel protein type 11 subunit alpha protein (403-551AA)
Conjugation	Non-conjugated
Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



IHC (Immunohistochemistry)

Immunofluorescence staining of HepG2 cells with AAA234715 at 1:166, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4 degree C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).



IHC (Immunohistochemistry)

IHC image of AAA234715 diluted at 1:500 and staining in paraffin-embedded human pancreatic cancer performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



IHC (Immunohistochemistry)

IHC image of AAA234715 diluted at 1:500 and staining in paraffin-embedded human cervical cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.

ADDITIONAL INFORMATION

Related Product Information for anti-SCN11A antibody	This protein mediates the voltage-dependent sodium ion permeability of excitable membranes. Assuming opened or closed conformations in response to the voltage difference across the membrane, the protein forms a sodium-selective channel through which sodium ions may pass in accordance with their electrochemical gradient. It is a tetrodotoxin-resistant sodium channel isoform. Also involved, with the contribution of the receptor tyrosine kinase NTRK2, in rapid BDNF-evoked neuronal depolarization.
Product Categories/Family for anti-SCN11A antibody	Neuroscience

NCBI AND UNIPROT INFORMATION

NCBI GI #	564473389
NCBI GeneID	11280
NCBI Accession #	NP_001274152.1
NCBI GenBank Nucleotide #	NM_001287223.1
UniProt Accession #	Q9UI33; Q68K15; Q8NDX3; Q9UHE0; Q9UHM0; A6NN05; C9JD48; C9JR31
Molecular Weight	200,415 Da
NCBI Official Synonym Full Names	sodium voltage-gated channel alpha subunit 11
NCBI Official Symbol	SCN11A
NCBI Official Synonym Symbols	NaN; PN5; FEPS3; HSAN7; 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

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-immunofluorescence-immunohistochemistry-elisa/234715>