

Datasheet for ABIN7169920

anti-SCN11A antibody (AA 403-551)[Go to Product page](#)**3** Images

Overview

Quantity:	100 µg
Target:	SCN11A
Binding Specificity:	AA 403-551
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SCN11A antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Sodium channel protein type 11 subunit alpha protein (403-551AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	SCN11A
Alternative Name:	SCN11A (SCN11A Products)
Background:	Background: This protein mediates the voltage-dependent sodium ion permeability of excitable membranes. Assuming opened or closed conformations in response to the voltage difference

Target Details

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.

Aliases: hNaN antibody, NaN antibody, NAV1.9 antibody, Peripheral nerve sodium channel 5 antibody, PN 5 antibody, PN5 antibody, SCN 11A antibody, SCN 12A antibody, Scn11a antibody, SCN12A antibody, SCNBA_HUMAN antibody, Sensory neuron sodium channel 2 antibody, SNS 2 antibody, SNS2 antibody, Sodium channel protein type 11 subunit alpha antibody, Sodium channel protein type XI subunit alpha antibody, Sodium channel voltage gated type XI alpha antibody, Sodium channel voltage gated type XI alpha polypeptide antibody, Sodium channel voltage gated type XI alpha subunit antibody, Sodium channel voltage gated type XII alpha polypeptide antibody, Voltage gated sodium channel Nav1.9 antibody, Voltage gated sodium channel subunit alpha Nav1.9 antibody, Voltage-gated sodium channel subunit alpha Nav1.9 antibody

UniProt: [Q9UI33](#)

Application Details

Application Notes: Recommended dilution: IHC:1:500-1:1000, IF:1:50-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

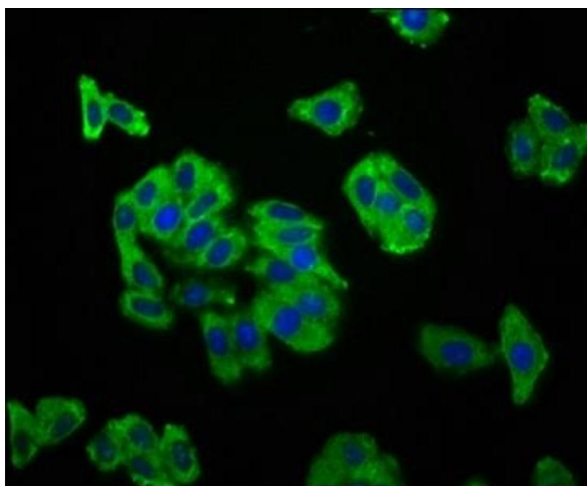
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

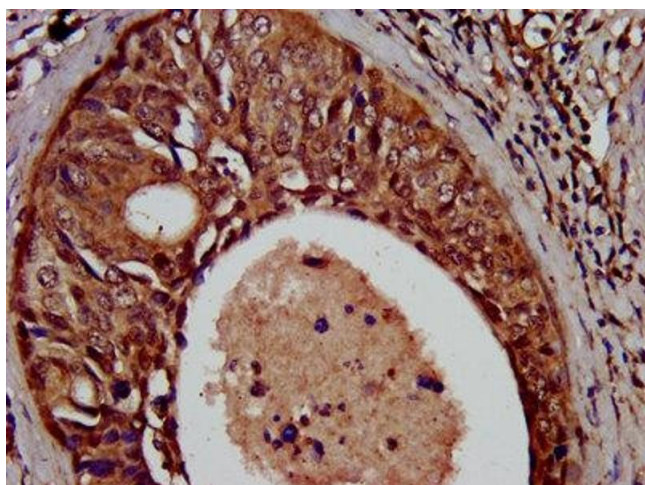
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



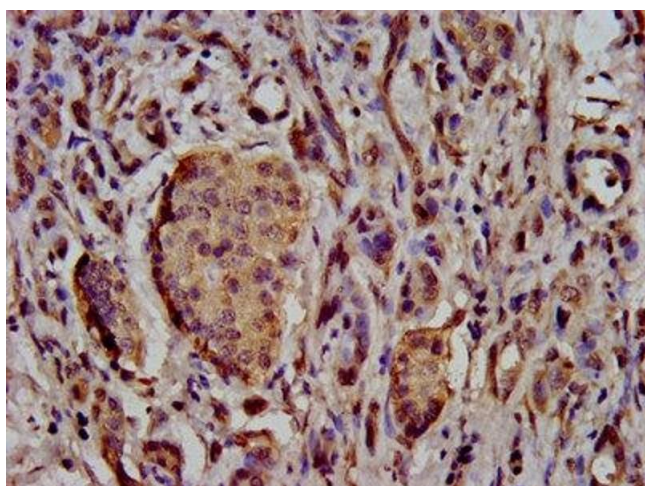
Immunofluorescence

Image 1. Immunofluorescence staining of HepG2 cells with ABIN7169920 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°C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemistry

Image 2. IHC image of ABIN7169920 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°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



Immunohistochemistry

Image 3. IHC image of ABIN7169920 diluted at 1:500 and staining in paraffin-embedded human pancreatic 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°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.