

Datasheet for ABIN7169929  
**anti-SCN9A antibody (AA 1849-1988)**[Go to Product page](#)

## 3 Images

## Overview

|                      |  |
|----------------------|--|
| Quantity:            | 100 µg   |
| Target:              | SCN9A  |
| Binding Specificity: | AA 1849-1988   |
| Reactivity:          | Human  |
| Host:                | Rabbit   |
| Clonality:           | Polyclonal   |
| Conjugate:           | This SCN9A antibody is un-conjugated                       |
| Application:         | Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF) |

## Product Details

|                   |   |
|-------------------|---|
| Immunogen:        | Recombinant Human Sodium channel protein type 9 subunit alpha protein (1849-1988AA) |
| Isotype:          | IgG   |
| Cross-Reactivity: | Human   |
| Purification:     | >95%, Protein G purified  |

## Target Details

|                   |  |
|-------------------|--|
| Target:           | SCN9A  |
| Alternative Name: | SCN9A ( <a href="#">SCN9A Products</a> )   |
| Background:       | Background: Mediates the voltage-dependent sodium ion permeability of excitable membranes.<br>Assuming opened or closed conformations in response to the voltage difference across the |

## Target Details

membrane, the protein forms a sodium-selective channel through which Na(+) ions may pass in accordance with their electrochemical gradient (PubMed:7720699, PubMed:17167479, PubMed:25240195, PubMed:26680203, PubMed:15385606, PubMed:16988069, PubMed:17145499, PubMed:19369487, PubMed:24311784). It is a tetrodotoxin-sensitive Na(+) channel isoform (PubMed:7720699). Plays a role in pain mechanisms, especially in the development of inflammatory pain (PubMed:17167479, PubMed:17145499, PubMed:19369487, PubMed:24311784).

Aliases: ETHA antibody, GEFSP7 antibody, hNE Na antibody, hNE-Na antibody, hNENa antibody, NE NA antibody, NENA antibody, Neuroendocrine sodium channel antibody, Peripheral sodium channel 1 antibody, PN1 antibody, Scn9a antibody, SCN9A\_HUMAN antibody, Sodium channel protein type 9 subunit alpha antibody, Sodium channel protein type IX subunit alpha antibody, Sodium channel voltage gated type IX alpha antibody, Sodium channel voltage gated type IX alpha polypeptide antibody, Sodium channel voltage gated type IX alpha subunit antibody, Voltage gated sodium channel alpha subunit Nav1.7 antibody, Voltage gated sodium channel subunit alpha Nav1 antibody, Voltage-gated sodium channel subunit alpha Nav1.7 antibody

UniProt: [Q15858](#)

## Application Details

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

Restrictions: For Research Use only

## Handling

Format: Liquid

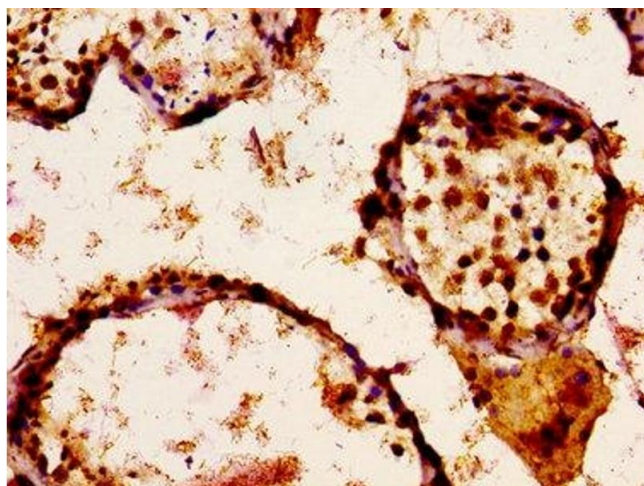
Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

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

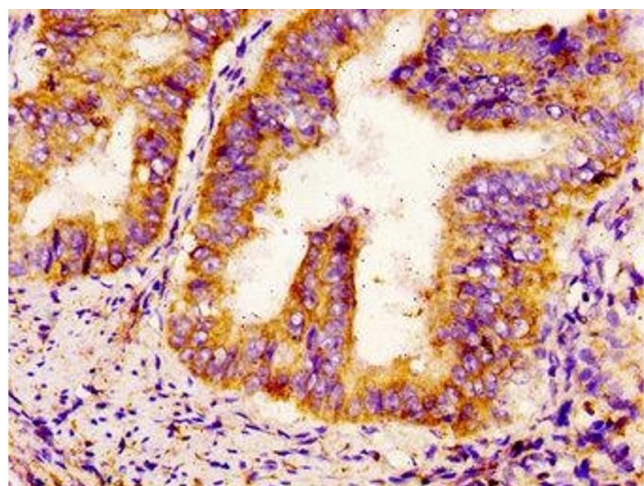
Storage: -20 °C, -80 °C

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



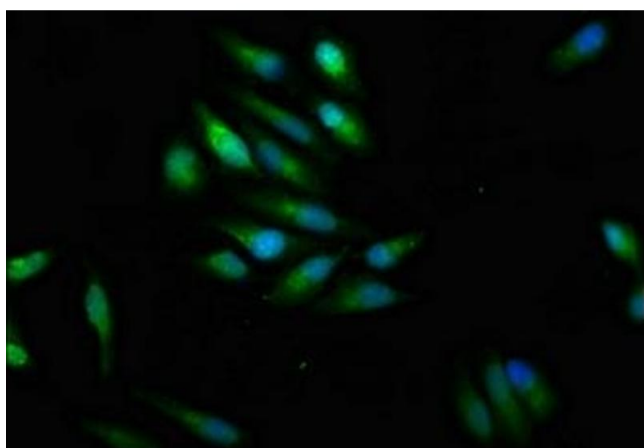
#### Immunohistochemistry

**Image 1.** IHC image of ABIN7169929 diluted at 1:300 and staining in paraffin-embedded human testis tissue 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 ABC system.



#### Immunohistochemistry

**Image 2.** IHC image of ABIN7169929 diluted at 1:300 and staining in paraffin-embedded human endometrial 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.



#### Immunofluorescence

**Image 3.** Immunofluorescence staining of Hela cells with ABIN7169929 at 1:100, 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).