

Datasheet for ABIN6147447  
**anti-SCNN1A antibody (AA 105-225)**



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**3** Images

## Overview

|                      |                                                |
|----------------------|------------------------------------------------|
| Quantity:            | 100 µL                                         |
| Target:              | SCNN1A                                         |
| Binding Specificity: | AA 105-225                                     |
| Reactivity:          | Human                                          |
| Host:                | Rabbit                                         |
| Clonality:           | Polyclonal                                     |
| Conjugate:           | This SCNN1A antibody is un-conjugated          |
| Application:         | Western Blotting (WB), Immunofluorescence (IF) |

## Product Details

|                   |                                                                                                                                         |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Immunogen:        | Recombinant fusion protein containing a sequence corresponding to amino acids 105-225 of human SCNN1A (NP_001029.1).                    |
| Sequence:         | LFGEYFSYPV SLNINLNSDK LVFPAVTICT LNPYRYPEIK EEELELDRLT EQTLFDLYKY<br>SSFTTLVAGS RSRDLRGTL PHPLQRLRVP PPPHGARRAR SVASSLRDNN PQVDWKDWKI G |
| Isotype:          | IgG                                                                                                                                     |
| Cross-Reactivity: | Human, Mouse, Rat                                                                                                                       |
| Characteristics:  | Polyclonal Antibodies                                                                                                                   |

## Target Details

|         |        |
|---------|--------|
| Target: | SCNN1A |
|---------|--------|

## Target Details

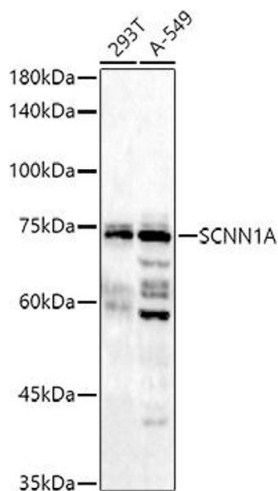
|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Alternative Name: | SCNN1A ( <a href="#">SCNN1A Products</a> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Background:       | Nonvoltage-gated, amiloride-sensitive, sodium channels control fluid and electrolyte transport across epithelia in many organs. These channels are heteromeric complexes consisting of 3 subunits: alpha, beta, and gamma. This gene encodes the alpha subunit, and mutations in this gene have been associated with pseudohypoaldosteronism type 1 (PHA1), a rare salt wasting disease resulting from target organ unresponsiveness to mineralocorticoids. Alternatively spliced transcript variants encoding different isoforms have been described for this gene.,SCNN1A,BESC2,ENaCa,ENaCalpha,SCNEA,SCNN1,Cancer,Signal Transduction,Endocrine & Metabolism,Insulin Receptor Signaling Pathway,Neuroscience,SCNN1A |
| Molecular Weight: | 28 kDa/73 kDa/75 kDa/77 kDa/78 kDa/81 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Gene ID:          | 6337                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| UniProt:          | <a href="#">P37088</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

## Application Details

|                    |                                   |
|--------------------|-----------------------------------|
| Application Notes: | WB,1:200 - 1:2000,IF,1:50 - 1:200 |
| Restrictions:      | For Research Use only             |

## Handling

|                    |                                                                                                                        |
|--------------------|------------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                                 |
| Buffer:            | PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.                                                                    |
| Preservative:      | Sodium azide                                                                                                           |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage:           | -20 °C                                                                                                                 |
| Storage Comment:   | Store at -20°C. Avoid freeze / thaw cycles.                                                                            |

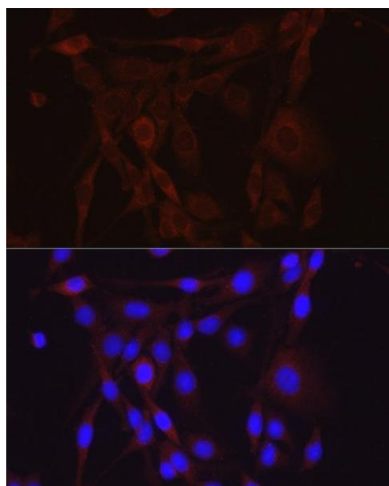


### Western Blotting

**Image 1.** Western blot analysis of extracts of various cell lines, using (ABIN6129465, ABIN6147447, ABIN6147448 and ABIN6221186) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 180s.

### Immunofluorescence

**Image 2.** Immunofluorescence analysis of PC-12 cells using SCNN1A Rabbit pAb (ABIN6129465, ABIN6147447, ABIN6147448 and ABIN6221186) at dilution of 1:200 (40x lens). Blue: DAPI for nuclear staining.



### Immunofluorescence

**Image 3.** Immunofluorescence analysis of NIH/3T3 cells using SCNN1A Rabbit pAb (ABIN6129465, ABIN6147447, ABIN6147448 and ABIN6221186) at dilution of 1:200 (40x lens). Blue: DAPI for nuclear staining.

