

Datasheet for ABIN719990

**anti-SCN8A antibody (AA 251-314) (HRP)**[Go to Product page](#)

## Overview

|                      |                                                                                                                                                  |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                                                           |
| Target:              | SCN8A                                                                                                                                            |
| Binding Specificity: | AA 251-314                                                                                                                                       |
| Reactivity:          | Human, Mouse                                                                                                                                     |
| Host:                | Rabbit                                                                                                                                           |
| Clonality:           | Polyclonal                                                                                                                                       |
| Conjugate:           | This SCN8A antibody is conjugated to HRP                                                                                                         |
| Application:         | Western Blotting (WB), ELISA, Immunohistochemistry (Frozen Sections) (IHC (fro)),<br>Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

## Product Details

|                       |                                                                  |
|-----------------------|------------------------------------------------------------------|
| Immunogen:            | KLH conjugated synthetic peptide derived from human SCN8A/Nav1.6 |
| Isotype:              | IgG                                                              |
| Cross-Reactivity:     | Human, Mouse                                                     |
| Predicted Reactivity: | Rat,Dog,Cow,Pig,Rabbit                                           |
| Purification:         | Purified by Protein A.                                           |

## Target Details

|                   |                                          |
|-------------------|------------------------------------------|
| Target:           | SCN8A                                    |
| Alternative Name: | SCN8A ( <a href="#">SCN8A Products</a> ) |

## Target Details

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Background: | <p>Synonyms: CerIII, hNa6/Scn8a voltage gated sodium channel, MED, Motor endplate disease, NaCh 6, NaCh6, Nav 1.6, Nbna1, PN 4, PN4, Scn8a, SCN8A_HUMAN, Sodium channel protein type 8 alpha subunit, Sodium channel protein type 8 subunit alpha, Sodium channel protein type VIII alpha subunit, Sodium channel protein type VIII subunit alpha, Sodium channel voltage gated type VIII alpha, Sodium channel voltage gated type VIII alpha polypeptide, Sodium channel voltage gated type VIII alpha subunit, Voltage gated sodium channel subunit alpha Nav1.6, Voltage-gated sodium channel subunit alpha Nav1.6.</p> <p>Background: 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 Na(+) ions may pass in accordance with their electrochemical gradient. In macrophages and melanoma cells, isoform 5 may participate in the control of podosome and invadopodia formation.</p> |
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| Gene ID: | 6334 |
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|-----------|---------------------------------------------|
| Pathways: | <a href="#">Sensory Perception of Sound</a> |
|-----------|---------------------------------------------|

## Application Details

|                    |                                                     |
|--------------------|-----------------------------------------------------|
| Application Notes: | WB 1:300-5000<br>IHC-P 1:200-400<br>IHC-F 1:100-500 |
| Restrictions:      | For Research Use only                               |

## Handling

|                    |                                                                                                                    |
|--------------------|--------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                             |
| Concentration:     | 1 µg/µL                                                                                                            |
| Buffer:            | Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.        |
| Preservative:      | ProClin                                                                                                            |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Handling Advice:   | Do NOT add Sodium Azide! Use of Sodium Azide will inhibit enzyme activity of horseradish peroxidase.               |
| Storage:           | -20 °C                                                                                                             |

Handling

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|                  |                                                                                   |
|------------------|-----------------------------------------------------------------------------------|
| Storage Comment: | Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles. |
| Expiry Date:     | 12 months                                                                         |