

Anti-SCN9A / Nav1.7 Antibody
Rabbit Anti Human Polyclonal Antibody
Catalog # ALS17582**Specification****Anti-SCN9A / Nav1.7 Antibody - Product Information**

Application	IHC-P
Primary Accession	Q15858
Host	Rabbit
Clonality	Polyclonal
Calculated MW	226372

Anti-SCN9A / Nav1.7 Antibody - Additional Information**Gene ID** 6335Alias Symbol **SCN9A****Other Names**

SCN9A, ETHA, GEFSP7, Nav1.7, HNE-Na, Peripheral sodium channel 1, PN1, SFNP, Sodium channel 25, Neuroendocrine sodium channel, FEB3B, NE-NA, NENA

Reconstitution & Storage

Immunoaffinity purified

Precautions

Anti-SCN9A / Nav1.7 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-SCN9A / Nav1.7 Antibody - Protein Information**Name** SCN9A ([HGNC:10597](#))**Synonyms** NENA**Function**

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 (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:<a

[7720699](http://www.uniprot.org/citations/7720699)). Plays a role in pain mechanisms, especially in the development of inflammatory pain (PubMed:[17167479](http://www.uniprot.org/citations/17167479), PubMed:[17145499](http://www.uniprot.org/citations/17145499), PubMed:[19369487](http://www.uniprot.org/citations/19369487), PubMed:[24311784](http://www.uniprot.org/citations/24311784)).

Cellular Location

Cell membrane; Multi-pass membrane protein {ECO:0000250|UniProtKB:D0E0C2}. Cell projection, neuron projection {ECO:0000250|UniProtKB:O08562}. Note=In neurite terminals. {ECO:0000250|UniProtKB:O08562}

Tissue Location

Expressed strongly in dorsal root ganglion, with only minor levels elsewhere in the body, smooth muscle cells, MTC cell line and C-cell carcinoma. Also expressed in vagus nerves within the head and neck region (PubMed:31647222). Isoform 1 is expressed preferentially in the central and peripheral nervous system. Isoform 2 is expressed preferentially in the dorsal root ganglion

Anti-SCN9A / Nav1.7 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-SCN9A / Nav1.7 Antibody - Images