

NaV1.7 (aa1874-1887) Antibody (internal region, near C-Term)
Peptide-affinity purified goat antibody
Catalog # AF3623a**Specification**

NaV1.7 (aa1874-1887) Antibody (internal region, near C-Term) - Product Information

Application	E
Primary Accession	Q15858
Other Accession	NP_002968.1 , 6335 , 20274 (mouse) , 78956 (rat)
Predicted Host	Human, Mouse, Rat, Dog, Cow
Clonality	Goat
Concentration	Polyclonal
Isotype	0.5 mg/ml
Calculated MW	IgG
	226372

NaV1.7 (aa1874-1887) Antibody (internal region, near C-Term) - Additional Information**Gene ID** 6335**Other Names**

Sodium channel protein type 9 subunit alpha, Neuroendocrine sodium channel, hNE-Na, Peripheral sodium channel 1, PN1, Sodium channel protein type IX subunit alpha, Voltage-gated sodium channel subunit alpha Nav1.7, SCN9A, NENA

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

NaV1.7 (aa1874-1887) Antibody (internal region, near C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

NaV1.7 (aa1874-1887) Antibody (internal region, near C-Term) - 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:7720699). Plays a role in pain mechanisms, especially in the development of inflammatory pain (PubMed:17167479, PubMed:17145499, PubMed:19369487, PubMed: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

NaV1.7 (aa1874-1887) Antibody (internal region, near C-Term) - 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](#)

NaV1.7 (aa1874-1887) Antibody (internal region, near C-Term) - Images

NaV1.7 (aa1874-1887) Antibody (internal region, near C-Term) - References

Congenital insensitivity to pain: novel SCN9A missense and in-frame deletion mutations. Cox JJ, Sheynin J, Shorer Z, Reimann F, Nicholas AK, Zubovic L, Baralle M, Wraige E, Manor E, Levy J, Woods CG, Parvari R. Hum Mutat. 2010 Sep;31(9):E1670-86. PMID: 20635406