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Anti-SCN11a / Nav1.9 Reference Antibody (Wuhan U. patent anti-Nav1.9)

Recombinant Antibody
Catalog # APR11028

Specification

Anti-SCN11a / Nav1.9 Reference Antibody (Wuhan U. patent anti-Nav1.9) - Product Information

Application	**FC, Kinetics, Animal Model**
Primary Accession	Q9UI33
Reactivity	**Human, Mouse**
Clonality	**Monoclonal**
Isotype	**IgG1**
Calculated MW	**143.94 KDa**

Anti-SCN11a / Nav1.9 Reference Antibody (Wuhan U. patent anti-Nav1.9) - Additional Information

Target/Specificity
SCN11a / Nav1.9

Endotoxin
< 0.001EU/ μg,determined by LAL method.

Conjugation
Unconjugated

Expression system
CHO Cell

Format
Purified monoclonal antibody supplied in PBS, pH6.0, without preservative.This antibody is purified through a protein A column.

Anti-SCN11a / Nav1.9 Reference Antibody (Wuhan U. patent anti-Nav1.9) - Protein Information

Name SCN11A (HGNC:10583)

Function
Sodium channel mediating 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 sodium ions may pass in accordance with their electrochemical gradient (PubMed:10580103, PubMed:12384689, PubMed:24036948, PubMed:24776970, PubMed:25791876, PubMed:<a

href="http://www.uniprot.org/citations/26645915" target="_blank">26645915). Involved in membrane depolarization during action potential in nociceptors which function as key relay stations for the electrical transmission of pain signals from the periphery to the central nervous system (PubMed:24036948, PubMed:24776970, PubMed:25791876, PubMed:26645915). Also involved in rapid BDNF-evoked neuronal depolarization (PubMed:12384689).

Cellular Location
Cell membrane; Multi-pass membrane protein

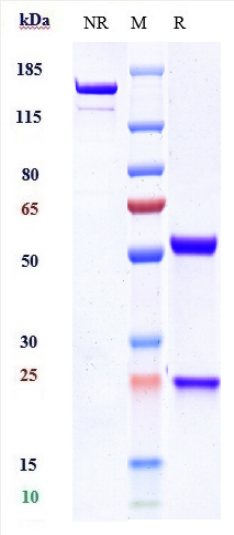
Tissue Location
Expressed in the dorsal root ganglia and trigeminal ganglia, olfactory bulb, hippocampus, cerebellar cortex, spinal cord, spleen, small intestine and placenta.

Anti-SCN11a / Nav1.9 Reference Antibody (Wuhan U. patent anti-Nav1.9) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-SCN11a / Nav1.9 Reference Antibody (Wuhan U. patent anti-Nav1.9) - Images



Anti-SCN11a / Nav1.9 Reference Antibody (Wuhan U. patent anti-Nav1.9) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90%

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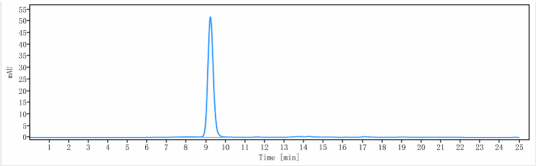

The purity of Anti-SCN11a / Nav1.9 Reference Antibody (Wuhan U. patent anti-Nav1.9)is more than 95% ,determined by SEC-HPLC.