

SCN11A Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP58486**Specification**

SCN11A Polyclonal Antibody - Product Information

Application	IHC-P
Primary Accession	O9UI33
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	204922

SCN11A Polyclonal Antibody - Additional Information**Gene ID** 11280**Other Names**

Sodium channel protein type 11 subunit alpha, Peripheral nerve sodium channel 5, PN5, Sensory neuron sodium channel 2, Sodium channel protein type XI subunit alpha, Voltage-gated sodium channel subunit alpha Nav1.9, hNaN, SCN11A, SCN12A, SNS2

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

SCN11A Polyclonal Antibody - 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: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).

target="_blank">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

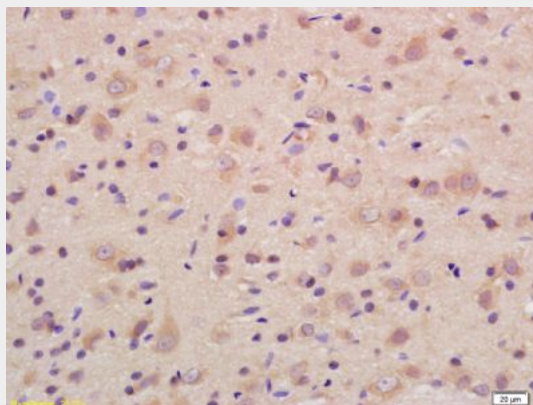
Expressed in the dorsal root ganglia and trigeminal ganglia, olfactory bulb, hippocampus, cerebellar cortex, spinal cord, spleen, small intestine and placenta.

SCN11A Polyclonal 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](#)

SCN11A Polyclonal Antibody - Images



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-SCN11A/NAV1.9 Polyclonal Antibody, Unconjugated(bs-6684R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining