

SCN10A/Nav1.8 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP58487**Specification**

SCN10A/Nav1.8 Polyclonal Antibody - Product Information

Application	IHC-P, IF
Primary Accession	O9Y5Y9
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	220626

SCN10A/Nav1.8 Polyclonal Antibody - Additional Information**Gene ID** 6336**Other Names**

Sodium channel protein type 10 subunit alpha, Peripheral nerve sodium channel 3, PN3, hPN3, Sodium channel protein type X subunit alpha, Voltage-gated sodium channel subunit alpha Nav1.8, SCN10A

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.

SCN10A/Nav1.8 Polyclonal Antibody - Protein Information**Name** SCN10A ([HGNC:10582](#))**Function**

Tetrodotoxin-resistant channel that 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 sodium ions may pass in accordance with their electrochemical gradient. Plays a role in neuropathic pain mechanisms.

Cellular Location

Cell membrane {ECO:0000250|UniProtKB:D0E0C2}; Multi-pass membrane protein {ECO:0000250|UniProtKB:D0E0C2}. Note=It can be translocated to the cell membrane through association with S100A10

Tissue Location

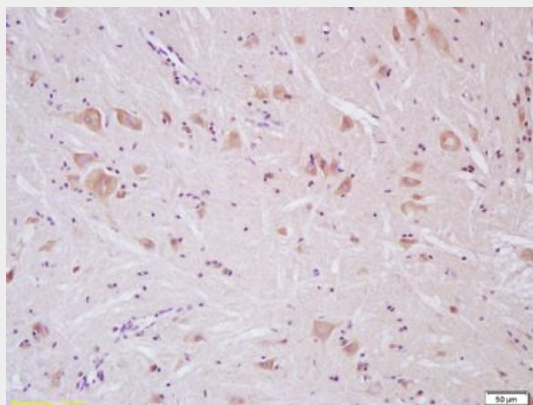
Expressed in the dorsal root ganglia and sciatic nerve.

SCN10A/Nav1.8 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](#)

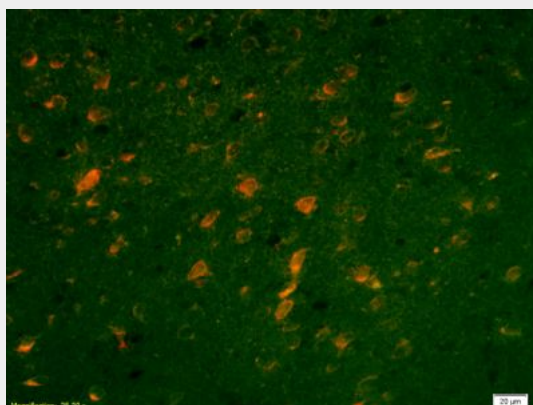
SCN10A/Nav1.8 Polyclonal Antibody - Images



Tissue/cell: rat spinal cord; 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-SCN10A Polyclonal Antibody, Unconjugated(bs-6685R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



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

Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-SCN10A Polyclonal Antibody, Unconjugated(bs-6685R) 1:200, overnight at 4°C; The secondary antibody was Goat Anti-Rabbit IgG, Cy3 conjugated(bs-0295G-Cy3) used at 1:200

dilution for 40 minutes at 37°C.