

Scn10a / Nav1.8 (mouse) Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF3512a**Specification**

Scn10a / Nav1.8 (mouse) Antibody (internal region) - Product Information

Application	E
Primary Accession	O9Y5Y9
Other Accession	NP_033160.2 , 6336 , 20264 (mouse) , 29571 (rat)
Predicted	Mouse, Rat
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	220626

Scn10a / Nav1.8 (mouse) Antibody (internal region) - 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

0.5 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

Scn10a / Nav1.8 (mouse) Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

Scn10a / Nav1.8 (mouse) Antibody (internal region) - 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 (mouse) Antibody (internal region) - 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 (mouse) Antibody (internal region) - Images**Scn10a / Nav1.8 (mouse) Antibody (internal region) - References**

Transmembrane segments prevent surface expression of sodium channel Nav1.8 and promote calnexin-dependent channel degradation. Li Q, Su YY, Wang H, Li L, Wang Q, Bao L, The Journal of biological chemistry 2010 Oct 285 (43): 32977-87. PMID: 20720009