

Mouse Nav1.8 Monoclonal Antibody | anti-Scn10a antibody

Nav1.8 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA102859	Mouse	Human, Mouse, Rat, Monkey	Immunofluorescence, Immunocytochemistry, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

Nav1.8; Monoclonal Antibody; Nav1.8 Antibody; PN3; Na(V)1.8; Scn10a; anti-Scn10a antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse, Rat, Monkey
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	S134-12
Specificity	Detects ~220kDa. No cross reactivity against other Nav channels.
Purity/Purification	Protein G Purified
Form/Format	PBS pH7.4, 50% glycerol, 0.09% sodium azide
Concentration	1mg/mL (varies by lot)
Applicable Applications for anti-Scn10a antibody	AM (Antibody Microarray), IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Certificate of Analysis	1 ug/mL of mouse IgG:HRP as the secondary antibody.
Immunogen	Fusion protein amino acids 1724-1956 of rat Nav1.8.
Preparation and Storage	Ships on blue ice. Store at -20°C; 1 year+. Avoid freeze/thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for anti-Scn10a antibody	Nav1.8 is a voltage-gated sodium channel and plays a critical role in the generation and conduction of action potentials and is thus important for electrical signaling by most excitable cells. Therapeutically, the association of pain insensitivity with the loss of function of a certain sodium channel may have implications. Since Nav1.8 is not present in cardiac muscle or neurons in the central nervous system, blockers of Nav1.8 will not have direct action on these cells and thus can have less side effects than current pain medications. By performing more studies, there is a possibility to develop a new generation of drugs that can reduce the pain intensity in animals (3).
Product Categories/Family for anti-Scn10a antibody	Ion Channels ; Neuroscience
References	1. Hille B. (2001) Ion Channels of Excitable Membranes, 3rd Ed., Sinauer Associated Inc.: Sunderland, MA USA. 2. www.ionchannels.org 3. Dray A. (2008) Br. J. Anaesth. 101(1): 48-58. 4. Dray A., Read S.J (2007) Arthritis Res. Ther. 9(3): 212. 5. Samuels M.E., teMorshe R.H., Lynch M.E., Drenth J.P. (2008) Mol Pain. 4: 21.

NCBI AND UNIPROT INFORMATION

NCBI GI #	8394242
NCBI GeneID	29571

NCBI Accession #	NP_058943.1
NCBI GenBank Nucleotide #	NM_017247.1
UniProt Accession #	Q62968; Q63554; Q6EWG6
NCBI Official Full Name	sodium channel protein type 10 subunit alpha
NCBI Official Synonym Full Names	sodium channel, voltage-gated, type X, alpha subunit
NCBI Official Symbol	Scn10a
NCBI Official Synonym Symbols	PN3; Na(V)1.8
NCBI Protein Information	sodium channel protein type 10 subunit alpha; sensory neuron sodium channel; peripheral nerve sodium channel 3; sodium channel type X alpha polypeptide; sodium channel protein type X subunit alpha; voltage-gated sodium channel subunit alpha Nav1.8; sodium channel voltage-gated type X alpha polypeptide; sodium channel, voltage-gated, type 10, alpha polypeptide
UniProt Protein Name	Sodium channel protein type 10 subunit alpha
UniProt Gene Name	Scn10a
UniProt Synonym Gene Names	Sns; PN3
UniProt Entry Name	SCNAA_RAT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/monoclonal/nav18-antibody-clone-s134-12-antibody-microarray-immunofluorescence-immunocytochemistry-immunohistochemistry-western-blot-elisa/102859>