

**Anti-Nav1.8 sodium channel, NeuroMab clone N134/12**

Available as TC supe (RRID: AB_10672261) & Pure IgG (RRID: AB_2183861)

Immunogen:

Fusion protein amino acids 1724-1956 (cytoplasmic C-terminus) of rat Nav1.8 (also known as Sodium channel protein type 10 or X subunit alpha, Voltage-gated sodium channel subunit alpha Nav1.8, Peripheral nerve sodium channel 3, PN3 or Sensory neuron sodium channel, accession number Q62968)

Mouse: 93% identity (220/235 amino acids identical)

Human: 85% identity (200/234 amino acids identical)

>50% identity with Nav1.7 and Nav1.5

Monoclonal antibody info:

Mouse strain: Balb/C

Myeloma cell: SP2/0

Mouse Ig Isotype: IgG2a

NeuroMab Applications:

Immunoblot, Immunocytochemistry and Immunohistochemistry

Species Reactivity: mouse, rat, human

Does not react with Nav1.7

MW: 220 kDa

Top: stable/transfected cell immunoblot: extracts of HEK cells stably expressing Nav1.7 and COS cells transiently transfected with GFP-tagged Nav1.8 or untagged Kv2.1 plasmids and probed with N134/12 TC supe.

Middle: immunofluorescence staining of cultured dorsal root ganglia neurons from Nav1.8 WT and KO mice with N134/12 TC supe.

Image courtesy of Dr. Joel Black, Dr. Sulayman Dib-Hajj and Dr. Steve Waxman, Yale University.

Bottom: immunofluorescence staining of rat dorsal root ganglia cryosections. N134/12 TC supe = green, neurofilament = red.

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