

**Anti-Navbeta4 sodium channel, NeuroMab clone N168/6**Immunogen:

Fusion protein amino acids 184-228 (cytoplasmic C-terminus) of rat Navbeta4 (also known as Sodium channel subunit beta-4, Scn4b and Gm1471, accession number Q7M730)

Mouse: 100% identity (45/45 amino acids identical)

Human: 95% identity (43/45 amino acids identical)

Monoclonal antibody info:

Mouse strain: Balb/C

Myeloma cell: SP2/0

Mouse Ig Isotype: IgG1

NeuroMab Applications:

Immunoblot, Immunocytochemistry, Immunohistochemistry

Species Reactivity: rat, mouse

MW: 25 kDa

Adult rat brain membrane (RBM) and transfected cell immunoblot: extracts of RBM and COS cells transiently transfected with GFP-tagged Navbeta4 or untagged Kv2.1 plasmid and probed with N168/6 (left), N86/8 (middle) and K89/34 (right) TC supe.

Adult rat sciatic nerve immuno-fluorescence staining: paranodes labeled with Caspr (green) surround nodes of Ranvier labeled with Beta-IV spectrin (blue) and N168/6 (red). Images courtesy of Shelly Buffington and Matt Rasband (Baylor College of Medicine).

Adult rat brain immunohistochemistry. N168/6 staining in striatal efferents in globus pallidus (left) and of Purkinje cell bodies and dendrites in cerebellar cortex (right).

