UC Davis/NIH NeuroMab Facility
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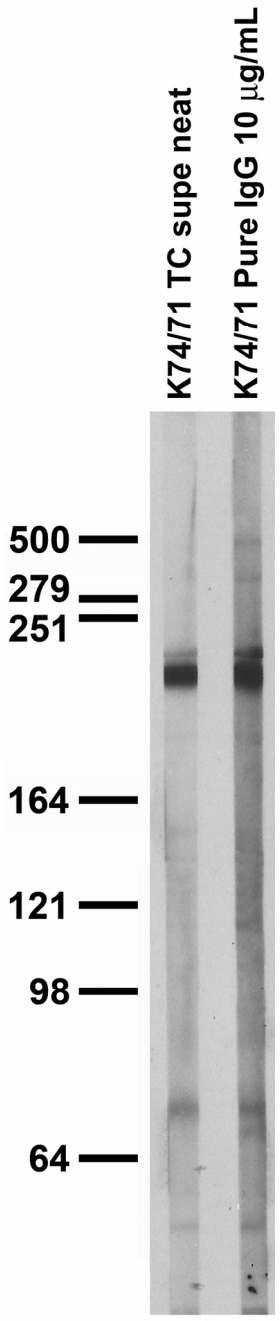
Anti-Nav1.1 sodium channel, NeuroMab clone K74/71



Immunogen:
Fusion protein amino acids 1929-2009 (cytoplasmic C-terminus, HLLKRTVKQASFTY NKNKLKGGANLLVKEDMIIDRINENSITEKTDLTMSTAACPPSYDRVTKPIVEK HEQEGKDEKAKGK) of rat Voltage-gated sodium channel subunit alpha Nav1.1 (also known as Sodium channel protein type 1 subunit alpha, Sodium channel protein brain I subunit alpha, Scn1a, NAC1 and SCN1, accession number P04774)
Mouse: 98% identity (80/81 amino acids identical)
Human: 97% identity (79/81 amino acids identical)
~50% identity with Nav1.2 and Nav1.3

Monoclonal antibody info:
Mouse strain: Balb/C
Myeloma cell: SP2/0
Mouse Ig Isotype: IgG1

NeuroMab Applications:
Immunoblot, Immunocytochemistry, Immunohistochemistry and Immunoprecipitation

Species Reactivity: rat, mouse, human

Does not cross-react with Nav1.2 or Nav1.3

MW: 230 kDa

Adult rat brain membrane immunoblot

Adult rat hippocampus (left) and whole brain (right) immunohistochemistry