



### Anti-Pan-Nav1 sodium channel, NeuroMab clone N419/40

Available as TC supe (RRID: AB\_2491079) & Pure IgG (RRID: AB\_2491098)

#### Immunogen:

Synthetic peptide amino acids 1501-1518 (TEEQKKYYNAMKKLGSKK, cytoplasmic loop between repeat III and IV) of human Nav1.1 (also known as Voltage-gated sodium channel protein type/brain 1 subunit alpha, SCN1A, NAC1 and SCN1, accession number P35498)

Mouse: 100% identity (18/18 amino acids identical)

Rat: 100% identity (18/18 amino acids identical)

100% identity with all Nav1 channels

#### Monoclonal antibody info:

Mouse strain: Balb/C

Myeloma cell: SP2/0

Mouse Ig Isotype: IgG2a (use in lieu of K58/35 IgG1 for additional multiplex labeling combinations)

#### NeuroMab Applications:

Immunoblot, Immunocytochemistry and Immunohistochemistry

Species Reactivity: human, rat, mouse

Cross-reacts with multiple Nav1 channels

MW: >200 kDa

Immunofluorescence staining of adult rat cortex with N419/40 (red), K89/34 (green) and Hoechst nuclear stain (blue).

Immunoblot against fractions of adult rat brain membranes (RBM) and extracts of COS or HEK cells transiently or stably expressing different untagged Nav1.X or Kv2.1 plasmid probed with N419/40 (left) or K58/35 (right) TC supe.

