

UC Davis/NIH NeuroMab Facility Department of Physiology and Membrane Biology, UC Davis, Davis CA 95616 http://neuromab.ucdavis.edu neuromab@ucdavis.edu

Anti-Navbeta2 Na+ channel, NeuroMab clone N395/68

Available as TC supe (RRID: AB_2315895) & Pure IgG (RRID: AB_2315896)

Immunogen:

Fusion protein amino acids 1-215 (full-length) of mouse Navbeta2 (also known as Sodium channel subunit beta-2, Scn2b, UNQ326/PRO386 and Gm183, accession number Q56A07)
Rat: 97% identity (209/215 amino acids identical)
Human: 92% identity (198/215 amino acids identical)
<30% identity with Navbeta1, Navbeta3 or Navbeta4

Monoclonal antibody info:

Mouse strain: Balb/C Myeloma cell: SP2/0 Mouse Ig Isotype: IgG2b

<u>NeuroMab Applications:</u> Immunoblot, Immunocytochemistry and Immunohistochemistry

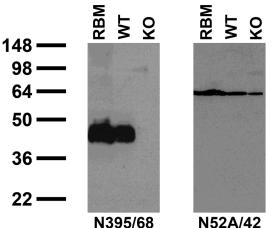
Species Reactivity: mouse, rat

Does not cross-react with Navbeta1, Navbeta3 or Navbeta4 (based on KO validation results)

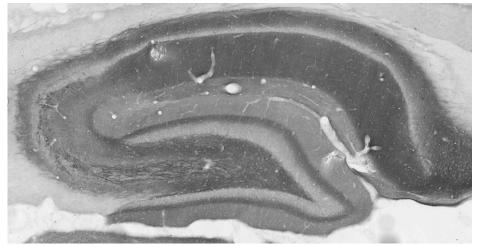
MW: 40 kDa

Immunoblot against crude membranes from adult rat brain (RBM) and wild-type (WT) and Navbeta2 knockout (KO) mouse brains probed with N395/68 (left) and N52A/42 (right) TC supe. Mouse brains courtesy of Lori Isom (University of Michigan).

Adult rat hippocampus immunohistochemistry



N395/68 N52A/42 anti-Navbeta2 anti-Mortalin



^{© 2020} The Regents of the University of California All Rights Reserved