Anti-Cavβ1 calcium channel, NeuroMab clone N7/18

Available as TC supe (RRID: AB_10673098) & Pure IgG (RRID: AB_2243972)

Immunogen:
Synthetic peptide amino acids 19-34 (PMEVFDPSPQGKYSKR) of human Cavβ1 (also known as Voltage-dependent L-type calcium channel subunit beta-1, Calcium channel voltage-dependent subunit beta 1, Cacnb1, Cacnlb1 and CAB1, accession number Q02641)

Rat: 100% identity (16/16 amino acids identical)
Mouse: 100% identity (16/16 amino acids identical)
100% identity between all Cavβ1 splice variants
<50% identity with Cavβ2, Cavβ3 and Cavβ4

Monoclonal antibody info:
Mouse strain: Balb/C
Myeloma cell: SP2/0
Mouse Ig Isotype: IgG2a

NeuroMab Applications:
Immunoblot, Immunohistochemistry and Immunoprecipitation

Species Reactivity: human, rat, mouse

Does not cross-react with Cavβ2, Cavβ3 or Cavβ4

MW: 80, 55 kDa

Top left: immunoblot against crude membrane fractions from whole mouse (MBM) or rat (RBM) brain and from human hippocampus [HBM(H)], cerebral cortex [HBM(Cx)] or cerebellum [HBM(Cb)] and probed with N7/18 (left) or N52A/42 (right) TC supe.

Top right: adult rat brain membrane immunoblot

Bottom: adult rat hippocampus (left) and whole brain (right) immunohistochemistry