



**Anti-Cav $\beta$ 4 calcium channel, NeuroMab clone N10/7**

Immunogen:

Synthetic peptide amino acids 458-474 of rat Cav $\beta$ 4  
 (DENYHNERARKSRNRLS; XP\_215742)

Human: 100% identity

Mouse=100% identity

Monoclonal antibody info:

Mouse strain: Balb/C

Myeloma cell: SP2/0

Mouse Ig Isotype: IgG1

NeuroMab Applications:

Immunoblot, Immunohistochemistry and  
 Immunoprecipitation

Species Reactivity: human, mouse, rat

No crossreactivity against rat Cav $\beta$ 1b, Cav $\beta$ 2a, and  
 Cav $\beta$ 3 in transfected cells

MW: 50 kDa

Images

Top. Left: Immunoblot on adult rat brain membrane (RBM), and adult mouse brain membranes (MBM) from wild-type (WT) and lethargic (lh/lh) mice (left) Lethargic mice courtesy of Dr. Jeff Noebels, Baylor College of Medicine. Right: Adult rat brain membrane immunoblot.

Middle: Immunoblots on brain membranes prepared from whole rat (RBM) and mouse (MBM) brain, and from human cerebral cortex [HBM(Cx)] and hippocampus [HBM(H)].

Bottom. Left. Adult rat hippocampus immunohistochemistry. Right. Higher magnification view of CA1.

