

# UC Davis/NIH NeuroMab Facility

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

## Anti-Beta1-spectrin, NeuroMab clone N385/21

Available as TC supe (RRID: AB\_2315814) & Pure IgG (RRID: AB\_2315815)

#### Immunogen:

Fusion protein amino acids 1555-2137 (C-terminal repeats 13 to 17) of human Beta1-spectrin (also known as Erythrocytic spectrin beta chain, SPTB, SPTB1, Spnb-1, Spnb1 and LOC314251, accession number P11277)

Mouse: 90% identity (530/538 amino acids identical) Rat: 90% identity (530/538 amino acids identical)

>50% identity with Beta2-spectrin

### Monoclonal antibody info:

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

#### NeuroMab Applications:

Immunoblot, Immunocytochemistry and

Immunohistochemistry

Species Reactivity: human, rat, mouse

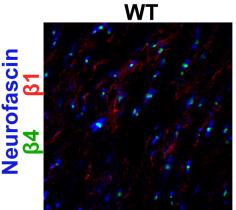
MW: 250 kDa

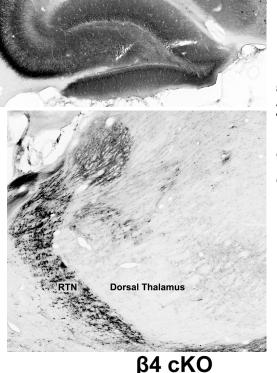
Top left: adult rat hippocampus (top) and thalamus (bottom) immunohistochemistry

Right: adult rat brain membrane immunoblot

Bottom left: immunofluorescence staining of optic

nerve from adult Beta4spectrin wild-type (WT) and conditional knockout (cKO) mice with N385/21 (Beta1spectrin, red), Beta4spectrin antibody (green) and Neurofascin antibody (blue). Images courtesy of Cheng-Hsin Liu and Matt Rasband (Baylor College of Medicine).







N385/21 TC supe

36 —

10um

**50**