



### Anti-Beta4-spectrin, NeuroMab clone N393/76

Available as TC supe (RRID: AB\_2315817) and Pure IgG (RRID: AB\_2315818)

#### Immunogen:

Fusion protein amino acids 1621-1832 (C-terminal repeats 14 to 15) of human Beta4-spectrin (also known as BetaIV-spectrin sigma1, Non-erythrocytic spectrin beta chain 4, Non-erythroid spectrin beta chain 3, SPTBN4, SPTBN3, Spnb4, KIAA1642, EMBL BAB83243.1 and Ensembl ENSRNOP00000028393, accession number Q9H254)

Mouse: 98% identity (209/212 amino acids identical)

Rat: 98% identity (209/212 amino acids identical)

>60% identity with  $\beta$ 2-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

Does not cross-react with other Beta-spectrins

MW: >200 kDa for full-length protein, smaller fragments possible due to proteolysis or sample preparation

Top: adult rat cerebral cortex (top) and hippocampus (bottom right) immunohistochemistry with antigen retrieval via pepsin pretreatment showing axon initial segment and nodal staining (bottom left is higher magnification of corpus callosum and CA1)

Bottom: immunoblot against extracts of COS cells transiently transfected with tagged Beta-spectrins or untagged Kv2.1 plasmid probed with N393/76 (left) or 19E10 (right) TC supe.

