

UC Davis/NIH NeuroMab Facility

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Anti-Beta4-spectrin, NeuroMab clone N393/2

COS-Beta3-spectrin-GFP Immunogen: COS-Beta3-spectrin-GFP COS-Beta2-spectrin-YFP COS-Beta1-spectrin-YFP COS-Beta1-spectrin-YFP COS-Beta2-spectrin-YFP COS-Beta4-spectrin-Myc COS-Beta4-spectrin-Myc 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 COS-Kv2.1 BAB83243.1 and Ensembl ENSRNOP00000028393. accession number Q9H254) N393/2 TC supe Mouse: 98% identity (209/212 aa identical) Rat: 98% identity (209/212 aa identical) 500 >60% identity with Beta2-spectrin 251 Monoclonal antibody info: Mouse strain: Balb/C 164 Myeloma cell: SP2/0 121 Mouse Ig Isotype: IgG1 98 N393/2 19E10 NeuroMab Applications: anti-Beta4-spectrin anti-Myc 164 Immunoblot, Immunocytochemistry and Immunohistochemistry 121 98 -Species Reactivity: human, rat, mouse Does not cross-react with other β -spectrins 64 -MW: >200 kDa for full-length protein. smaller fragments possible due to proteolysis or variable sample preparation 50 -Left: adult rat brain membrane immunoblot Top right: immunoblot against extracts of COS cells transfected with tagged Beta-36 spectrins or untagged Kv2.1 plasmid probed with N393/2 (left) or 19E10 (right) TC supe. Bottom right: adult rat cerebral cortex and hippocampus immunohistochemistry with antigen retrieval via pepsin pretreatment.