

Anti-BKBeta2 potassium channel subunit, NeuroMab clone N53/32

Available as TC supe (RRID: AB_10674434) & Pure IgG (RRID: AB_2131396)

Immunogen:

Fusion protein amino acids 1-41 (MFIWTSGRTSSSYRQDEKRNIIYQKIRDHDLDDKRKTVTALK, cytoplasmic N-terminus) and 218-235 (KLTQYLSLLCERIQRINR, cytoplasmic C-terminus) of mouse BKBeta2 (also known as BK channel subunit beta-2, Calcium-activated potassium channel subunit beta-2, Calcium-activated potassium channel, subfamily M subunit beta-2, Charybdotoxin receptor subunit beta-2, K(VCA)beta-2, Maxi K channel subunit beta-2, Slo-beta-2 and Kcnmb2, accession number Q9CZM9)

Human: 97% and 100% identity (40/41 and 18/18 amino acids identical, respectively)

Rat: 97% and 100% identity (40/41 and 18/18 amino acids identical, respectively)

<50% identity with other BKBeta subunits

Monoclonal antibody info:

Mouse strain: Balb/C

Myeloma cell: SP2/0

Mouse Ig Isotype: IgG2a

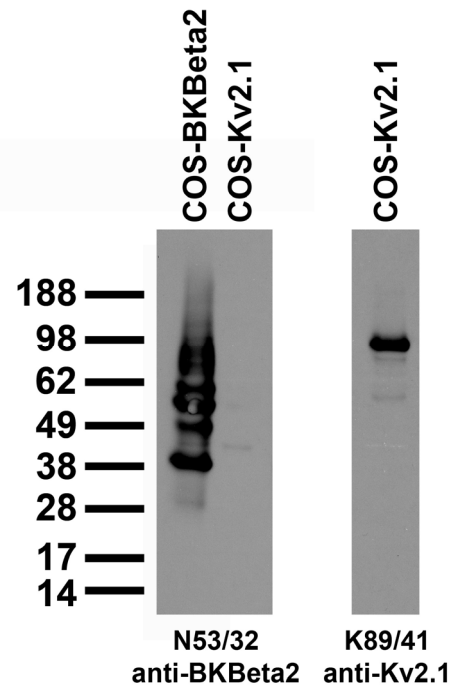
NeuroMab Applications:

Immunoblot and Immunocytochemistry

Species Reactivity: mouse, human, rat

No cross-reactivity against BKBeta1, BKBeta3 or BKBeta4

MW: 27 kDa



Immunoblot against extracts of COS cells transiently transfected with GFP-tagged BKBeta2 or untagged Kv2.1 plasmid and probed with N53/32 (left) or K89/41 (right) TC supe.

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 N53/32 (left) or N52A/42 (right) TC supe.

