UC Davis/NIH NeuroMab Facility
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Anti-Kv1.1 potassium channel (external), NeuroMab clone K36/15

Available as TC supe (RRID:AB_10673166) & Pure IgG (RRID:AB_2128566)

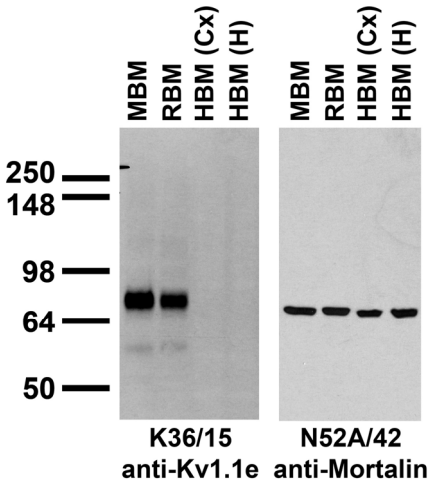
Immunogen:
Synthetic peptide amino acids 191-208 (ELKDDKDFTGTIHRIDNTC, extracellular domain) of rat Kv1.1 (also known as potassium voltage-gated channel subfamily A member 1, IA, RBKI, RCK1, accession number P10499)
Mouse: 100% identity (18/18 amino acids identical)
Human: 94% identity (17/18 amino acids identical)

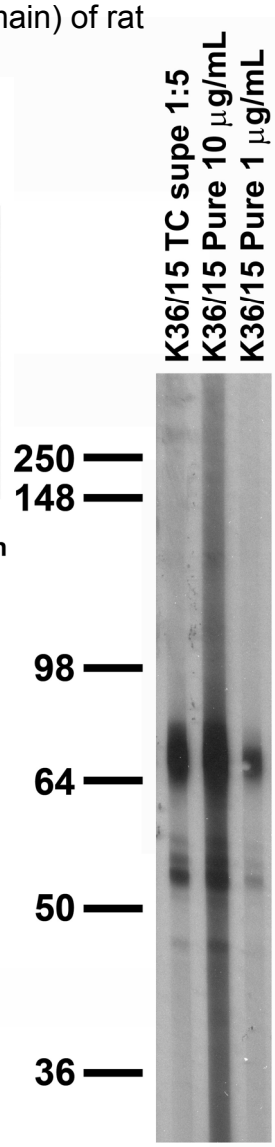
Monoclonal antibody info:
Mouse strain: Balb/C
Myeloma cell: SP2/0
Mouse Ig Isotype: IgG2b

NeuroMab Applications:
Immunoblotting, Immunocytochemistry and Immunohistochemistry

Species Reactivity: rat, mouse

MW: 56 kDa (could be 65-85 kDa depending on glycosylation)





Top left: immunoblot versus crude brain membranes from adult mouse (MBM), rat (RBM) and human cerebral cortex [HBM(Cx)] and hippocampus [HBM(H)] probed with K36/15 (left) or N52A/42 (right) TC supe.

Top right: adult brain membrane immunoblot

Bottom left: immunofluorescence staining of hippocampus from adult Kv1.1 wild-type (left) or knock-out (right) mouse with K36/15 (red) and K13/31 (green, Kv1.4).

Bottom right: immunoblot against crude brain membranes from adult rat (RBM) and Kv1.1 wild-type (WT) or knock-out (KO) mouse probed with K36/15 (left) or N52A/42 (right) TC supe.