



**Anti-KChIP4 K<sup>+</sup> channel, NeuroMab clone N423/75**

Available as TC supe (RRID: AB\_2491080) & Pure IgG (RRID: AB\_2493100)

Immunogen:

Fusion protein amino acids 1-233 (full-length) of human KChIP4 (also known as Kv channel interacting protein 4 isoform CRA\_b, A-type potassium channel modulatory protein 4, Potassium channel-interacting protein 4, Calsenilin-like protein, Kcnp4, Calp and mCG\_8314, accession number Q3YAB7)

Mouse: 100% identity (233/233 amino acids identical)

Rat: >84% identity (>196/233 amino acids identical)

>80% identity between multiple KChIP4 isoforms

<80% identity with KChIP2 and other KChIP's

Monoclonal antibody info:

Mouse strain: Balb/C

Myeloma cell: SP2/0

Mouse Ig Isotype: IgG2a

NeuroMab Applications:

Immunoblot, Immunocytochemistry and Immunohistochemistry

Species Reactivity: human, mouse, rat

Does not cross-react with KChIP1, KChIP2 or KChIP3

MW: 30 kDa

Top: immunoblot against crude membranes from adult rat brain (RBM), mouse brain (MBM) and wild-type (WT) and KChIP4 knockout (KO) mouse brains probed with N423/75 (left) or K55/82 (right) TC supe. Mouse brains courtesy of Beatrice Kern and Jochen Roeper (Goethe University Frankfurt).

Middle: immunoblot against adult rat brain membranes (RBM) and extracts of COS cells transiently transfected with untagged KChIP1, KChIP2, KChIP3, KChIP4 or Kv2.1 plasmid probed with N423/75 (left) or K55/82 (right) TC supe.

Bottom: adult rat hippocampus immunohistochemistry

