



### Anti-HCN2 cyclic nucleotide-gated channel, NeuroMab clone N71/37

#### Immunogen:

Fusion protein amino acids 761-863 (cytoplasmic C-terminus) of rat HCN2 (also known as potassium /sodium hyperpolarization-activated cyclic nucleotide gated channel 2, accession number Q9JKA9)

Mouse: 98% identity (101/103 amino acids identical)

Human: 82% identity (86/104 amino acids identical)

<50% identity with HCN1, HCN3 and HCN4

#### Monoclonal antibody info:

Mouse strain: Balb/C

Myeloma cell: SP2/0

Mouse Ig Isotype: IgG1

#### NeuroMab Applications:

Immunoblotting, Immunohistochemistry and Immunoprecipitation

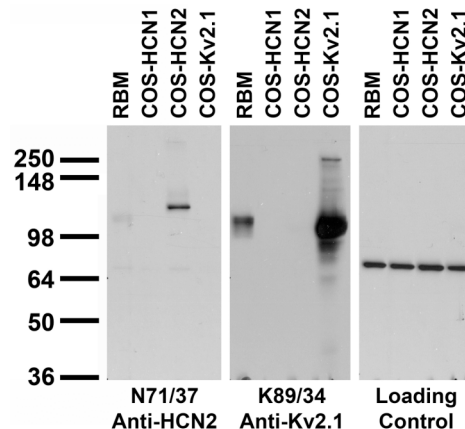
Species Reactivity: mouse, rat (does not appear to recognize human)

No cross-reactivity against HCN1

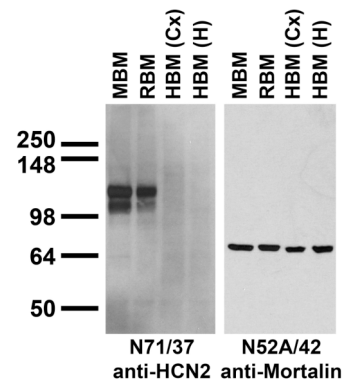
MW: 95 kD

#### Images

Upper right: Adult rat brain membrane (RBM) and transfected cell immunoblot: extracts of RBM and of COS-1 cells transfected with GFP-HCN1, GFP-HCN2 or Kv2.1 plasmids and probed with N71/37 (left), K89/34 (middle) or a control (right) TC supe.



Middle right: Immunoblots on brain membranes prepared from whole rat (RBM) and mouse (MBM) brain, and from human cerebral cortex [HBM(Cx)] and hippocampus [HBM(H)].



Below: Adult rat olfactory bulb (left), cerebellum (middle) and hippocampus (right) immunohistochemistry

