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

250

148

98

64 -50 -

36 -

RBM COS-HCN1 COS-HCN2 COS-Kv2.1

N71/37

Anti-HCN2 Anti-Kv2.1

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:

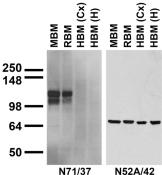
Mouse strain: Balb/C Myeloma cell: SP2/0 Mouse Ig Isotype: IgG1

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.



COS-HCN2 COS-Kv2.1

K89/34

RBM

COS-HCN1 COS-HCN2

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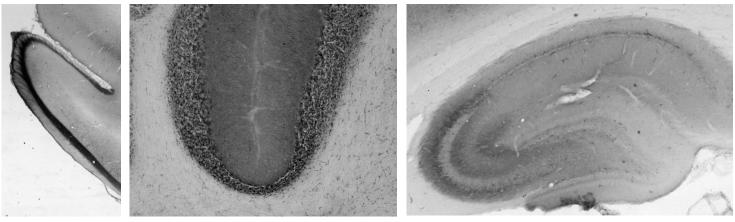
Control

COS-Kv2.

RBM COS-HCN1

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



anti-HCN2 anti-Mortalin