



Anti-HCN3 cyclic nucleotide-gated channel, NeuroMab clone N141/28

Available as TC supe (RRID:AB_10672247) & Pure IgG (RRID:AB_2120025)

Immunogen:

Fusion protein amino acids 660-779 (cytoplasmic C-terminus) of mouse HCN3 (also known as potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 3, hyperpolarization-activated cation channel 3 and HAC-3, accession number O88705)

Rat: 98% identity (118/120 amino acids identical)

Human: 86% identity (105/121 amino acids identical)

<50% identity with HCN1, HCN2 and HCN4

Monoclonal antibody info:

Mouse strain: Balb/C

Myeloma cell: SP2/0

Mouse Ig Isotype: IgG1

NeuroMab Applications:

Immunoblot, Immunocytochemistry and Immunohistochemistry

Species Reactivity: mouse, rat

No cross-reactivity against other HCN's

MW: 90-100 kDa

Top left: immunoblot versus lysates of total brain from HCN3 knockout (KO) and wild-type (WT) mice probed with N141/28. Data courtesy of Martin Biel (Ludwig-Maximilians-Universität München) and reproduced from the Journal of Biological Chemistry (2013 Cao-Ehlker et al, PMID 23382386).

Bottom left: adult rat hippocampus immunohistochemistry

Right: adult rat brain membrane immunoblot

HCN3 WT KO

kDa

100

75

250
148

98

64

50

36

N141/28 TC supe
N141/28 Pure 10 µg/mL
N141/28 Pure 1 µg/mL

