



Anti-HCN4 cyclic nucleotide-gated channel, NeuroMab clone N114/10

Available as TC supe (RRID: AB_10673158) & Pure IgG (RRID: AB_2248534)

Immunogen:

Fusion protein amino acids 1021-1110 (cytoplasmic C-terminus) of human HCN4 (also known as potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 4, brain cyclic nucleotide-gated channel 3 and BCNG-3, accession number Q9Y3Q4)

Rat: 100% identity (90/90 amino acids identical)

Mouse: 100% identity (90/90 amino acids identical)

<50% identity with HCN1, HCN2 and HCN3

Monoclonal antibody info:

Mouse strain: Balb/C

Myeloma cell: SP2/0

Mouse Ig Isotype: IgG1

NeuroMab Applications:

Immunoblot, Immunocytochemistry and Immunohistochemistry

Species Reactivity: human, rat, mouse

Does not cross-react with other HCN's

MW: 120-140 kDa

Top left: adult rat retina membrane immunoblot (left) and immunofluorescence (right). Green = N114/10 staining of the inner nuclear, inner plexiform, ganglion cell and optic fiber layers (INL, IPL, GCL, and OFL), where layers are viewed by differential interference contrast microscopy. Data courtesy of Gloria Partida, Tyler Stradleigh, and Andrew Ishida (UCDavis).

Bottom left: adult rat thalamus immunohistochemistry

Right: adult rat brain membrane immunoblot

