OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for 75-150

Hcn4 Mouse Monoclonal Antibody [Clone ID: N114/10]

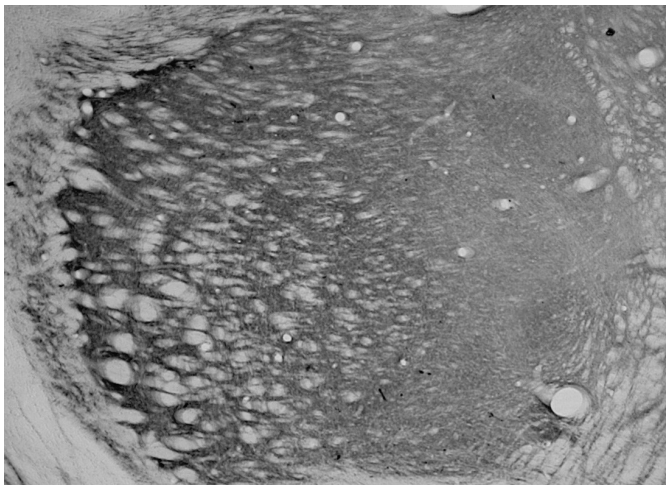
Product data:

Product Type:	Primary Antibodies
Clone Name:	N114/10
Applications:	IF, IHC, WB
Recommend Dilution:	Immunoblot (IB) Immunohistochemistry (IHC) Immunocytochemistry (ICC)
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Fusion protein amino acids 1019-1108 (cytoplasmic Cterminus) of rat HCN4 (also known as potassium/sodium hyperpolarization-activated cyclic nucleotidegated channel 4, brain cyclic nucleotide-gated channel 3 and BCNG-3, accession number Q9JKA7). Mouse: 100% identity (90/90 amino acids identical). Human: 100% identity (90/90 amino acids identical). <50% identity with HCN1, HCN2 and HCN3
Specificity:	No cross-reactivity against other HCN's
Formulation:	State: Purified
Gene Name:	hyperpolarization activated cyclic nucleotide-gated potassium channel 4
Database Link:	Entrez Gene 59266 Rat
Synonyms:	SSS2

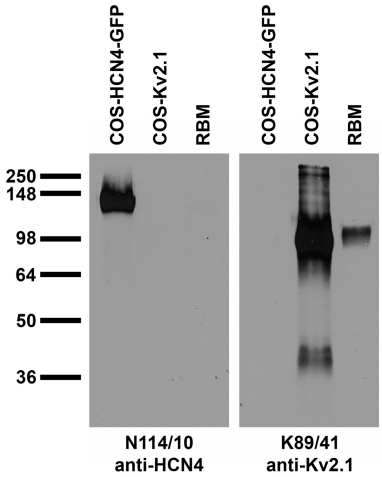
View online »

Note: USERS will cite the UC Davis/NIH NeuroMab Facility in any publication(s) describing the research utilizing the MATERIALS. The suggested acknowledgment statement is as follows: "The monoclonal antibody _ was developed by and/or obtained from the UC Davis/NIH NeuroMab Facility, supported by NIH grant U24NS050606 and maintained by the Department of Neurobiology, Physiology and Behavior, College of Biological Sciences, University of California, Davis, CA 95616."
Also, please include the complete clone number (e.g., N52A/42) and the Antibody Registry identification number (e.g., RRID:AB_2120479) to avoid ambiguity.
View Research License Agreement

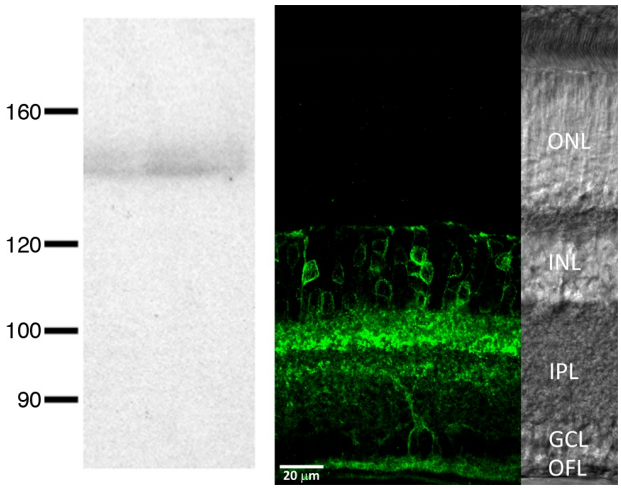
Product images:



Adult rat thalamus immunohistochemistry



Transfected cell and adult rat brain membrane (RBM) immunoblot: extracts of RBM and COS cells transfected with GFP- tagged HCN4 and untagged Kv2.1 plasmids probed with N114/10 (left) and K89/41 (right) tissue culture supernatant.



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).