

Anti-HCN4 Antibody

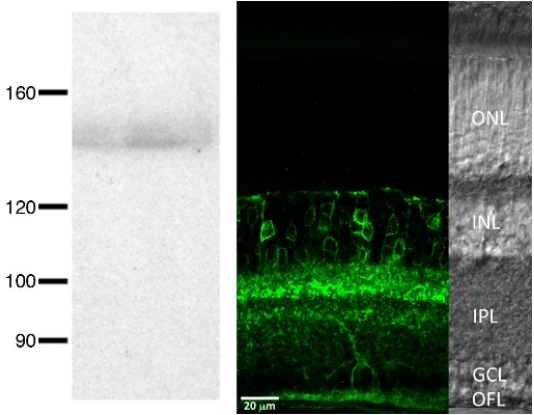
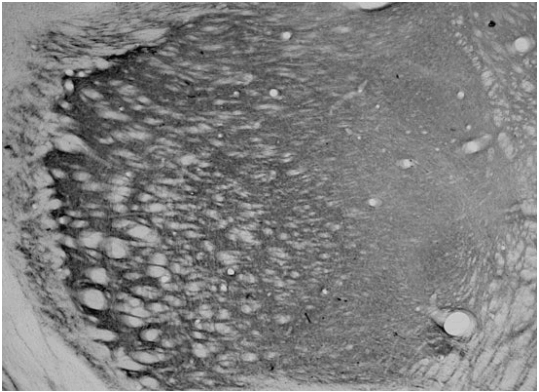


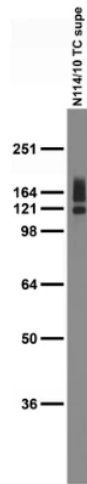
Product Details

Available Variants	100 μ L (SKU:75-150) 20 μ L (SKU:75-150-020)
Conjugate	Unconjugated
Isotype	IgG1
Clone	N114/10
Gene Name	HCN4
Host Species	Mouse
Concentration	1 mg/mL
Format	Purified by Protein A chromatography
Physical State	Liquid
Buffer	10 mM Tris, 50 mM Sodium Chloride, 0.065% Sodium Azide pH 7.77
Production Notes	Produced by in vitro bioreactor culture of hybridoma line followed by Protein A affinity chromatography. Purified mAbs are >90% specific antibody.
Applications	ELISA, ICC, IHC, WB
Dilution Ranges	WB: 1:500 IHC: 1:200 ICC: 1:200
Species Reactivity	Gerbil, Human, Mouse, Pig, Rat
Immunogen	Fusion protein amino acids 1019-1108 (cytoplasmic C-terminus) of human HCN4 (accession number Q9JKA7) produced recombinantly in E. Coli
Specificity	No cross-reactivity against other HCN's
Molecular Weight	130 kDa

Quality Control	Each new lot of antibody is quality control tested by western blot on rat whole brain lysate and confirmed to stain the expected molecular weight band.
Storage	Aliquot and store at $\leq -20^{\circ}\text{C}$ for long term storage. For short term storage, store at $2-8^{\circ}\text{C}$. For maximum recovery of product, centrifuge the vial prior to removing the cap.
Antibody Registry ID	AB_2248534
UniProt ID	Q9Y3Q4
Country of Origin	United States
Shipping	Shipped on ice packs
Expiration	24 months from date of receipt
Usage Statement	These antibodies are to be used as research laboratory reagents and are not for use as diagnostic or therapeutic reagents in humans.

Product Images

 The image shows two panels of adult rat retina. The left panel is an immunoblot with molecular weight markers at 160, 120, 100, and 90 kDa. A single band is visible at approximately 140 kDa. The right panel is an immunofluorescence image showing green staining (N114/10) in the inner nuclear, inner plexiform, ganglion cell, and optic fiber layers (INL, IPL, GCL, and OFL). A scale bar of 20 μm is present in the bottom left of the immunofluorescence panel.	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).
 The image shows a grayscale micrograph of adult rat thalamus tissue, displaying immunohistochemistry results. The tissue shows a dense population of cells with varying intensities of staining, indicating the presence of the target antigen.	Adult rat thalamus immunohistochemistry.



Adult rat brain membrane immunoblot.

Product Page URL: www.antibodiesinc.com/products/anti-hcn4-antibody-n114-10-75-150



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