

Anti-Nav1.1 Na⁺ Channel Recombinant Chicken Chimeric mAb

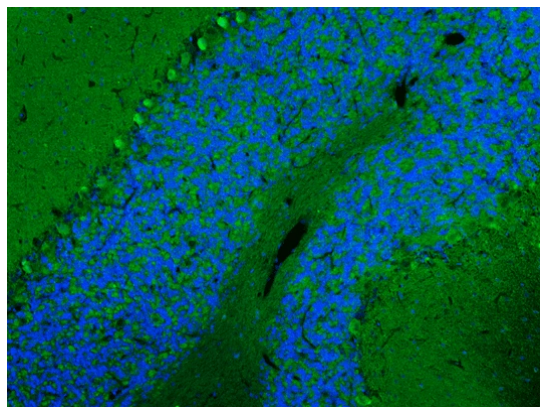


Product Details

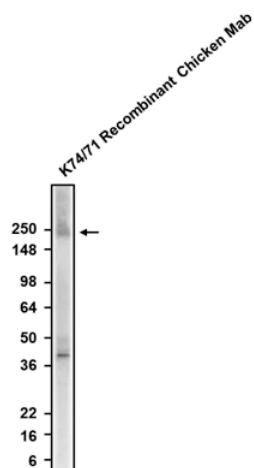
Available Variants	100 µL (SKU:78-023) 20 µL (SKU:78-023-020)
Conjugate	Unconjugated
Isotype	IgY
Clone	K74/71
Gene Name	Scn1a
Host Species	Chicken
Concentration	1 mg/mL
Format	Purified by affinity chromatography
Physical State	Liquid
Buffer	1X PBS, 0.05% Sodium Azide pH 7.4
Production Notes	This recombinant antibody is a chimeric antibody created by replacing the mouse heavy and light constant regions of clone K74/71 with chicken IgY heavy and light constant regions. As such this antibody retains the same binding performance as the original clone K74/71 but can be detected using standard anti-chicken secondary antibodies allowing flexibility for multiplexing applications. This antibody is expressed recombinantly in mammalian cells and then affinity purified from the cell culture media.
Applications	ELISA, ICC, IHC, IP, WB
Dilution Ranges	WB: 1:500 IHC: 1:250 ICC: 1:250
Species Reactivity	Human, Mouse, Non-Human Primate, Rat

Immunogen	Fusion protein amino acids 1929-2009 (cytoplasmic C-terminus) of rat Nav1.1 (accession number P04774) produced recombinantly in E. Coli
Specificity	No cross-reactivity with Nav1.2, Nav1.3 and Nav1.6
Molecular Weight	220 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.
UniProt ID	<u>P04774</u>
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.

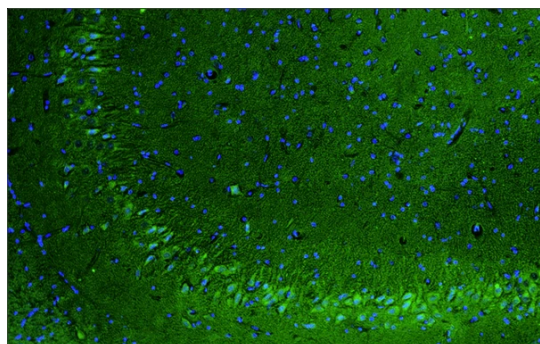
Product Images



Representative section of formalin fixed, paraffin-embedded rat brain cerebellum region showing cells stained by anti-Nav1.1 (SCN1A) antibody using goat anti-chicken IgY CF®488 secondary antibody (Cat. 80-1001-488) (visualized in green). The stained sections were mounted with Antibodies Incorporated Fluoroshield with DAPI and DABCO mounting medium (Cat. AR-6505). DAPI nuclear stain (blue) shows cell nuclei.



Western blotting of rat brain membrane with anti-Nav1.1 (SCN1A) recombinant chicken mAb (Cat. 78-023) antibody. The chicken mAb was detected with anti-chicken-HRP (Cat. 80-1000-HRP). Aves Labs Recombinant Chicken anti-Nav1.1 mAb recognizes endogenous Nav1.1 in the rat brain membrane fraction at ~220 kDa.



Representative section of formalin fixed, paraffin-embedded rat brain hippocampal CA2/CA3 region showing cells stained by anti-Nav1.1 (SCN1A) antibody using goat anti-chicken IgY CF@488 secondary antibody (Cat. 80-1001-488) (visualized in green). The stained sections were mounted with Antibodies Incorporated Fluoroshield with DAPI and DABCO mounting medium (Cat. AR-6505). DAPI nuclear stain (blue) shows cell nuclei.

Product Page URL: www.antibodiesinc.com/products/anti-nav1-1-na-channel-recombinant-antibody-k74-71-78-023



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