

Anti-NFH (Neurofilament Heavy Chain) Antibody

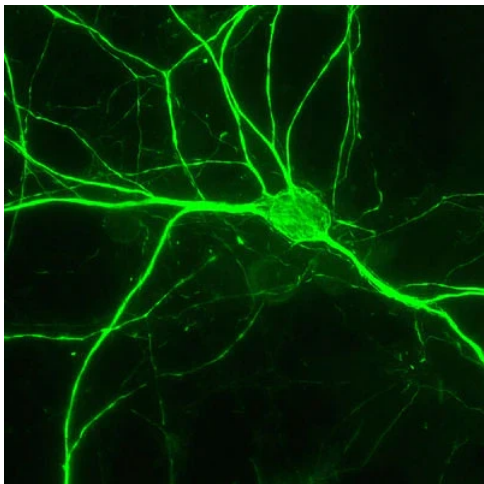


Product Details

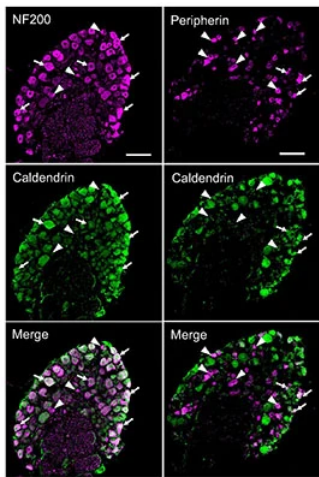
Available Variants	200 µL (SKU:NFH)
Isotype	IgY
Gene Name	NEFH KIAA0845 NFH
Host Species	Chicken
Concentration	1 mg/mL
Format	IgY Fraction
Physical State	Liquid
Buffer	Phosphate-buffered (10 mM) isotonic (0.9%, w/v) saline ("PBS" pH 7.2) with bovine serum albumin (BSA, 0.5%) added to prevent absorption to the plastic and sodium azide (0.02%, w/v) added as a preservative
Production Notes	Chickens were immunized with NF-H protein purified from adult bovine brains. After repeated injections into the hens, immune eggs were collected, and the IgY fractions were purified from the yolks. Antibodies were diluted in the buffer described above, and then filter-sterilized.
Applications	ICC, IHC, WB
Dilution Ranges	WB: 1:5000-1:10000 IHC: 1:2000-1:5000 ICC: 1:2000-1:5000
Species Reactivity	Human, Mouse, Rat
Immunogen	Native NF-H purified from bovine spinal cord
Molecular Weight	200-220 kDa
Quality Control	Quality assurance analysis was performed using immunohistochemistry (at a dilution of 1:50000) using fluorescein-labeled goat anti-chicken IgY (1:500 dilution, Aves Labs Cat.# F-1005) as the secondary reagent.

Storage	Store at 4°C in the dark. Under these conditions, the antibodies should have a shelf life of at least twelve months, provided they remain sterile. For longer term storage, aliquot and freeze to avoid freeze-thaw of the antibody.
Antibody Registry ID	AB_2313552
UniProt ID	P12036
Country of Origin	United States
Shipping	Ice packs
Expiration	12 months from receipt of product
Usage Statement	These antibodies are to be used as research laboratory reagents and are not for use as diagnostic or therapeutic reagents in humans.

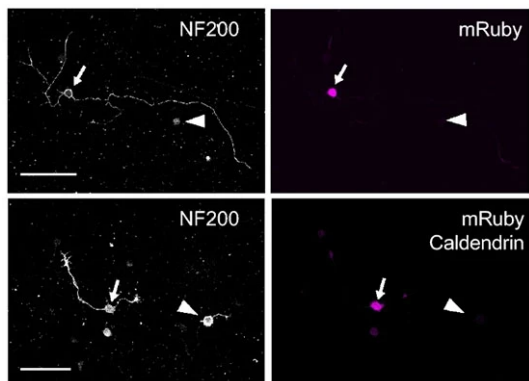
Product Images



Cortical neuron from a neo-natal mouse brain culture immunocytochemically stained for NF-H immunoreactivity (1:5000 dilution). Secondary antibody (fluorescein-labeled goat anti-chicken IgY, (1:1000 dilution)



Confocal micrographs of DRG cryosections from WT mouse double-labeled with antibodies against caldendrin (green) and NF200 (Cat. NFH, 1:1000, purple) or peripherin (Cat. PER, 1:1000, purple). Arrows and arrowheads indicate cells in which caldendrin is or is not, respectively, co-localized with NF200 or peripherin. Results are representative of at least 3 independent experiments. Scale bar, 100 μ m. Image from publication CC-BY-4.0. [PMID:36788334](#)



Confocal micrographs of caldendrin KO cultures infected with AAV-mRuby (top) or AAV-mRuby-caldendrin (bottom) showing immunolabeling for NF200 (Cat. NFH, 1:1000, left) and mRuby (right). NF200-positive DRGNs with and without mRuby fluorescence are indicated by arrows and arrowheads, respectively. Scale bar, 100 μ m. Image from publication CC-BY-4.0. [PMID:36788334](https://pubmed.ncbi.nlm.nih.gov/36788334/)

Product Page URL: www.antibodiesinc.com/products/anti-nfh-neurofilament-heavy-chain-antibody-nfh



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