

Anti-NFL (Neurofilament Light Chain) Antibody

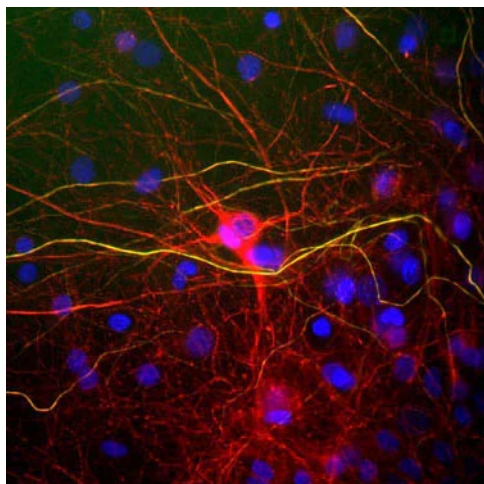


Product Details

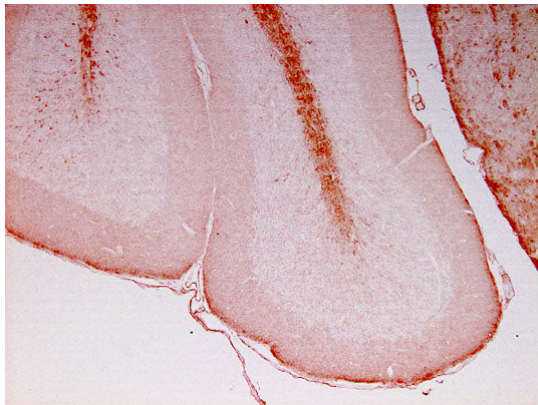
Available Variants	1000 µL (SKU:NFL) 100 µL (SKU:NFL-0020)
Isotype	IgY
Gene Name	NEFL NF68 NFL
Host Species	Chicken
Concentration	300 µg/mL
Format	Affinity-Purified IgY
Physical State	Liquid
Buffer	Phosphate-buffered (10 mM) isotonic (0.9%, w/v) saline ("PBS," pH 7.2) with sodium azide (0.02%, w/v) added as a preservative.
Production Notes	Chickens were immunized with three synthetic peptide / keyhole limpet hemocyanin (KLH) conjugates. These synthetic peptides corresponded to different regions of the NF-L gene product, but are shared between the human (P07196, NCBI) and mouse (P08551, NCBI) protein sequences. After repeated injections, immune eggs were collected, and the IgY fractions were purified from the yolks. These IgY fractions were then affinity-purified using a peptide column, and the concentrations of the eluates adjusted to 300 µg/mL. Finally, equal volumes of each of the three affinitypurified anti-peptide antibodies were mixed, and the preparation was filter-sterilized.
Applications	ICC, IHC, WB
Dilution Ranges	WB: 1:1000-1:2000 IHC: 1:1000-1:2000 ICC: 1:1000-1:2000
Species Reactivity	Human, Mouse, Rat
Immunogen	Synthetic peptides

Molecular Weight	70 kDa
Quality Control	Quality assurance analysis was performed using immunohistochemistry (at a dilution of 1:2000) 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_2313553
UniProt ID	<u>P07196</u>
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



Immunocytochemical staining of mouse brain cortical neurons in culture. NFL immunoreactivity is red and yellow. Blue staining is DAPI nuclear staining. Anti-NFL (1:1000 dilution). Dr. Felix Eckenstein, University of Vermont.



Immunohistochemical staining of a paraffin-embedded section through mouse cerebellum. Anti-NFL immunoreactivity (Aves Labs, 1:500 dilution) was detected using HRP-labeled goat anti-chicken IgY (Aves Cat.No. H-1004).

Product Page URL: www.antibodiesinc.com/products/anti-nfl-neurofilament-light-chain-antibody-nfl



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