

Anti-Neurofilament light polypeptide (NF-L) Antibody



Product Details

Available Variants	50 µL (SKU:R-1392-50)
Conjugate	Unconjugated
Isotype	Mixed
Host Species	Rabbit
Format	Whole serum
Physical State	Lyophilized
Buffer	Lyophilized with sodium azide.
Applications	ICC, IF, IHC, WB
Dilution Ranges	WB: 1:10000-1:15000 IHC: 1:5000 ICC: 1:2000-1:5000
Species Reactivity	Bovine, Human, Mouse, Pig, Rat
Immunogen	The antibody has been made against a preparation of recombinant full length human NF-L. The antibody binds NF-L from a variety of species including human, rat and mouse.
Specificity	Species cross-reactivity includes human, rat, mouse, cow, and pig.
Storage	Spin vial briefly before opening. Reconstitute with 50 µL sterile-filtered, ultrapure water. Centrifuge to remove any insoluble material. Store lyophilized antibody at 2-8°C After reconstitution of lyophilized antibody, aliquot and store at -20°C for a higher stability. Avoid freeze-thaw cycles. Store at 4°C for up to one month for short term storage and frequent use.
UniProt ID	P07196
Country of Origin	United States
Shipping	25°C (ambient)

Expiration	12 months after date of receipt (unopened vial).
Usage Statement	For research use only.

Product Images

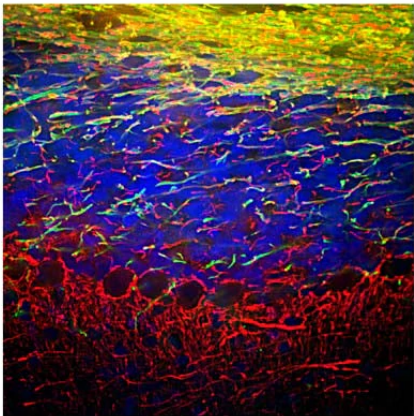
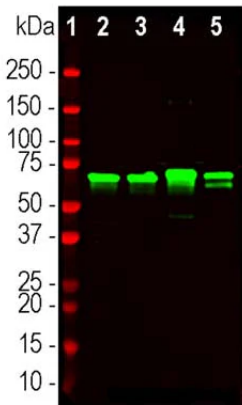


Image of a mouse cerebellum section by **Immunofluorescence and Immunohistochemistry**. The section was stained with R-1392-50, Neurofilament light polypeptide (NF-L), Rabbit pAb, (red, 1:5,000), and co-stained with product C-1383-50, Myelin basic protein, Chicken pAb, (green, 1:5,000). Method: Following transcardial perfusion of mouse with 4% paraformaldehyde, brain was post-fixed for 24 hours, cut to 45 um, and free-floating sections were stained. The NF-L antibody labels dendrites and axons of neuronal cells, and the MBP antibody stains myelin sheathes around axons.



Analysis by **western blot** of NF-L expression in different tissue lysates with R-1392-50, Neurofilament light polypeptide (NF-L), Rabbit pAb, (green, 1:20,000) with strong banding at 68-70kDa corresponding to the NF-L protein. Lane 1: protein standard (red); Lane 2: rat brain; Lane 3: rat spinal cord; Lane 4: mouse brain; Lane 5: mouse spinal cord.

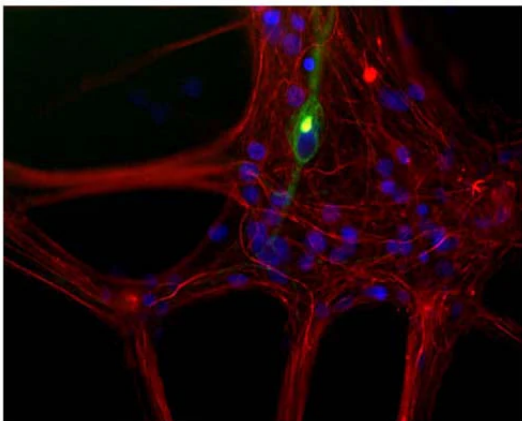


Image of mixed neuron and glial cultures, from a newborn rat brain, stained by **Immunofluorescence and Immunocytochemistry**. These cultures were stained with R-1392-50, Neurofilament light polypeptide (NF-L), Rabbit pAb, (red) and co stained with product M-1400-500, Peripherin, Clone 7C5, Mouse mAb, (green). A class of large neurons, like the one in the middle of this image, contain Peripherin, while the majority of neurons and their processes contain NF-L and not Peripherin. Interestingly, the Periperin positive cells often contain a cytoplasmic inclusion next to the nucleus which stains for both peripherin and NF-L, and so appears golden in this kind of image. The blue channel reveals the localization of DNA

Product Page URL: www.antibodiesinc.com/products/anti-neurofilament-light-polypeptide-nf-l-antibody-r-1392-50



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