

Anti-Neurofilament medium polypeptide (NF-M) Antibody



Product Details

Available Variants	50 µL (SKU:C-1393-50)
Conjugate	Unconjugated
Isotype	IgY
Host Species	Chicken
Format	IgY preparation
Physical State	Lyophilized
Buffer	Lyophilized IgY preparation, with sodium azide.
Applications	ICC, IF, IHC, WB
Dilution Ranges	WB: 1:2000-1:5000 IHC: 1:2000 ICC: 1:2000
Species Reactivity	Bovine, Chicken, Horse, Human, Mouse, Pig, Rat
Immunogen	This antibody has been made against a recombinant fusion protein containing the extreme C-terminus of human NF-M (amino acids 708-877) expressed in and purified from E. coli.
Specificity	Species cross-reactivity includes human, rat, mouse, cow, pig, horse and chicken. Band appears at ~145 kDa for rodent and ~160 kDa for human and cow in WB. Predicted to react with other mammalian tissues due to sequence homology.
Molecular Weight	~145 kDa for rodent and ~160 kDa for human and cow
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	<u>P07197</u>
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

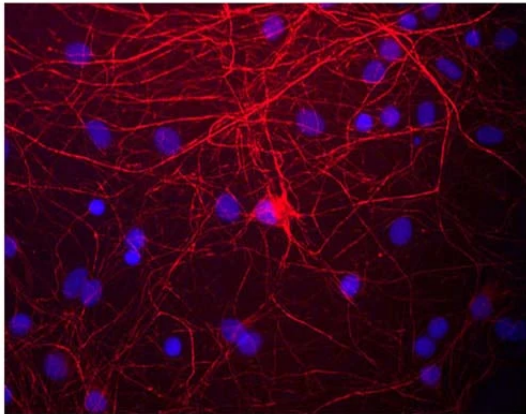


Image of mixed neuron and glial cultures stained by **Immunofluorescence and Immunocytochemistry**. These cultures were stained with C-1393-50, Neurofilament medium polypeptide (NF-M), Chicken pAb, (red). The Neurofilament Medium (NF-M) protein is assembled into neurofilaments which are found throughout the axons, dendrites and perikarya of these cells.

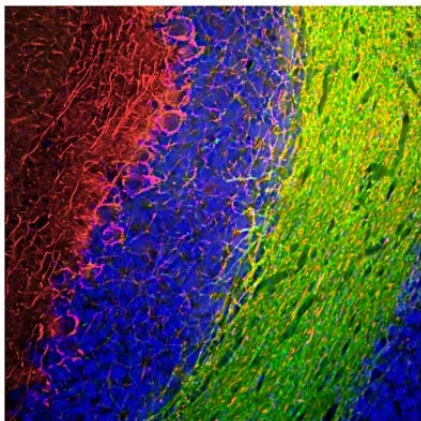


Image of rat cerebellum section by **Immunofluorescence and Immunohistochemistry**. The section was stained with C-1393-50, Neurofilament medium polypeptide (NF-M), Chicken pAb, (red, 1:1,000) and co-stained with product M-1802-50, 2',3'-cyclic-nucleotide 3'-phosphodiesterase (CNP), Mouse mAb (green, 1:500). The blue is DAPI staining of nuclear DNA. Method: Following transcardial perfusion of rat with 4% PFA, brain was post-fixed for 24 hours, cut to 45 μ M, and free-floating section was stained. The NF-M antibody labels the network of axons of basket neurons and other neurons. The CNP antibody stains oligodendrocytes, cells that create myelin sheaths around axons.



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