

Anti-Neurofilament medium polypeptide (NF-M) Antibody



Product Details

Available Variants	50 µL (SKU:R-1395-50)
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: 1:1000-1:5000 IHC: 1:1000-1:2500 ICC: 1:1000-1:2500
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 rat NF-M (amino acids 549-845) 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.
Molecular Weight	145 kDa, 160 kDa
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

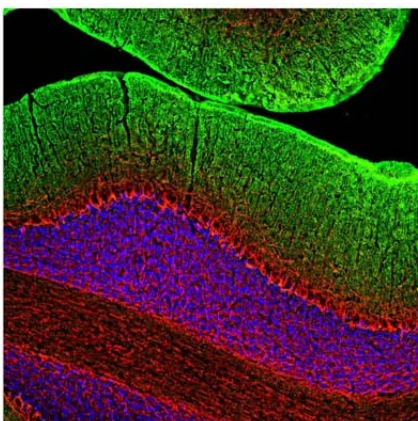


Image of a rat cerebellum section by **Immunofluorescence and immunohistochemistry**. The section was stained with R-1395-50, Neurofilament medium polypeptide (NF-M), Rabbit pAb, (red, 1:2,000) and co-stained with product M-1650-100, Growth associated protein 43 (GAP43), Mouse mAb, (green, 1:2,000). Method: Following transcardial perfusion of rat with 4% paraformaldehyde, brain was post-fixed for 24 hours, cut to 45 μ m, and free-floating section was stained. The NF-M antibody strongly labels neuronal processes throughout the cerebellum, while the GAP43 antibody stains predominantly synaptic regions in the molecular layer.

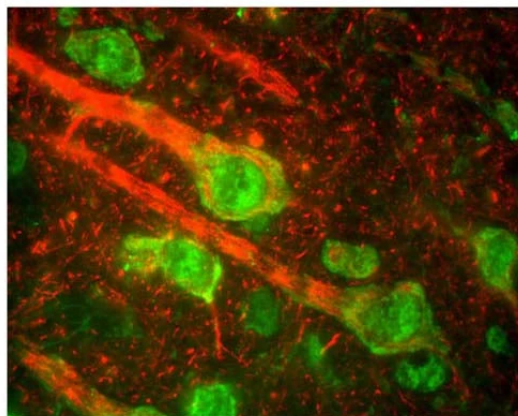
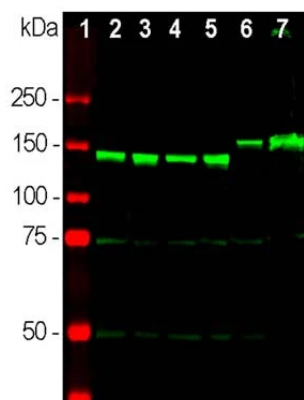


Image of a rat cerebral cortex section by **Immunofluorescence and Immunohistochemistry**. The section was stained with R-1395-50, Neurofilament medium polypeptide (NF-M), Rabbit pAb, (red) and co-stained with a monoclonal antibody to the beta-adrenergic receptor kinase 1 (green). Product R-1395-50 reveals the perikarya of pyramidal neurons and dendrites and axons surrounding them.



Analysis by **western blot** of NF-M expression in neuronal tissue lysates with R-1395-50, (green, 1:2,000) with strong bands at 145 kDa (rodent NF-M molecules) and 160 kDa (pig and other larger mammals including humans). Lane 1: protein standard; Lane 2: rat brain; Lane 3: rat spinal cord; Lane 4: mouse brain; Lane 5: mouse spinal cord; Lane 6: pig brain; Lane 7: pig spinal cord.

Product Page URL: www.antibodiesinc.com/products/anti-neurofilament-medium-polypeptide-nf-m-antibody-r-1395-50



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