www.antibodiesinc.com
orders@antibodiesinc.com
530-758-4400

PRODUCT DATASHEET

Anti-Neurofilament light polypeptide (NF-L) Antibody (7D1)

Product Details

Available Variants	50 µg (SKU:M-2112-50)
Conjugate	Unconjugated
Isotype	IgG2b
Clone	7D1
Host Species	Mouse
Format	IgG
Physical State	Lyophilized
Buffer	Lyophilized from PBS buffer pH 7.2-7.6 with 0.1% trehalose, and sodium azide
Production Notes	Protein G purified
Applications	ICC, IF, WB
Dilution Ranges	WB: 1:5000-1:10000 ICC: 1:100-1:500
Species Reactivity	Bovine, Horse, Human, Mouse, Pig, Rat
Immunogen	The antibody has been made against a preparation of recombinant full length human NF-L; native protein purified from pig spinal cord. The antibody binds NF-L from a variety of species including human, rat and mouse.
Specificity	Species cross-reactivity includes human, rat, mouse, cow, pig and horse.
Storage	Spin vial briefly before opening. Reconstitute with 50 µL sterile-filtered, ultrapure water to achieve a 1 mg/mL concentration. 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 UniProt Summary: Neurofilaments usually contain three intermediate filament proteins: NEFL, NEFM, and NEFH which are involved in the maintenance of neuronal caliber. May additionally cooperate with the neuronal intermediate filament proteins PRPH and INA to form neuronal filamentous networks.
Country of Origin	United States
Shipping	25°C (ambient)
Expiration	12 months after date of receipt (unopened vial).
Usage Statement	For research use only.
NCBI Gene ID	4747

Product Images

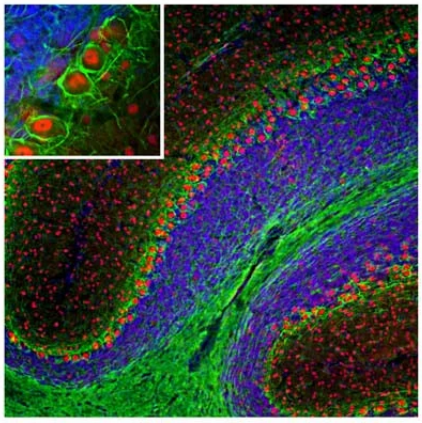
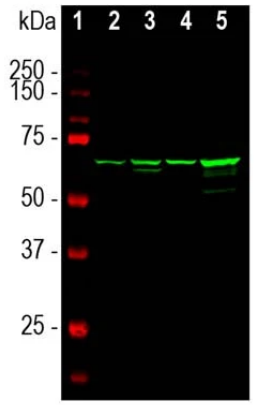


Image of a mouse cerebellum by **Immunofluorescence**. The section was stained with M-2112-50, Neurofilament light polypeptide (NF-L), Clone 7D1, Mouse mAb, (green, 1:5000), and co-stained with product chicken antibody to FOX2, (red, 1:2,000) IF Method: Following transcardial perfusion of mouse with 4% paraformaldehyde, brain was post-fixed for 24 hours, cut into 45 µm sections, and free-floating sections were stained. The NF-L antibody labels dendrites and axons of neuronal cells, predominantly axons in white matter and basket cell axons associated with Purkinje cells. The FOX2 antibody reveals protein expressed in a subset of neurons, including Purkinje cells.



Analysis by **western blot** of NF-L expression in different tissue lysates with M-2112-50, Neurofilament light polypeptide (NF-L), Clone 7D1, Mouse mAb, (green, 1:5,000) 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.



Created on 19. November 2026 | All information without guarantee