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PRODUCT DATASHEET

Anti-Neurofilament light polypeptide (NF-L) Antibody (6H112)

Product Details

Available Variants	50 µg (SKU:M-2114-50)
Conjugate	Unconjugated
Isotype	IgG1
Clone	6H112
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, IHC, WB
Dilution Ranges	WB: 1:5000 IHC: 1:4000 ICC: 1:1000
Species Reactivity	Bovine, Human, Mouse, Pig, Rat
Immunogen	The antibody has been made against the C-terminal peptide of human NF-L protein (amino acids 514-542; peptide GEEEDTKESEEEEKKEESAGEEQVAKKKD) with an N-terminal C added for coupling to KLH.
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 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

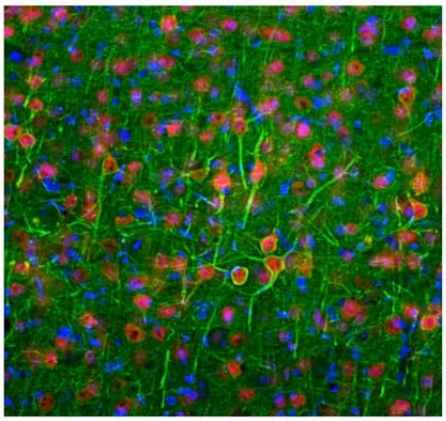
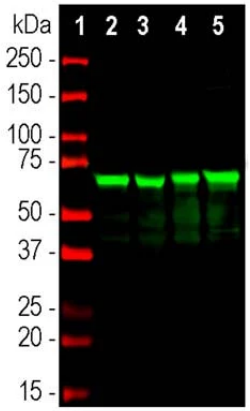


Image of a rat frontal cortex by **Immunofluorescence and Immunohistochemistry**. The section was stained with M-2114-50, Neurofilament light polypeptide (NF-L), Clone 6H112, Mouse mAb, (green, 1:2000), and co-stained with product R-3771-100, FOX3/NeuN, Rabbit pAb, (red, 1:2,000). Method: Following transcardial perfusion of rat 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 cell bodies and processes of pyramidal neurons,dendrites, and axons of other neuronal cells. The FOX3/NeuN antibody selectively stains nuclei and cytoplasm of neuronal cells.



Analysis by **western blot** of NF-L expression in spinal cord lysates from different species with M-2114-50, Neurofilament light polypeptide (NF-L), Clone 6H112, 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; Lane 3: mouse; Lane 4: pig; Lane 5: cow.

Created on 19. November 2026 | All information without guarantee