

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
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

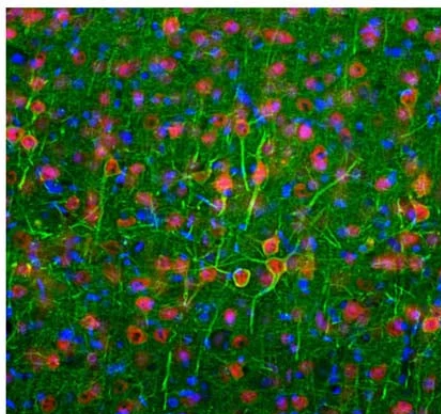
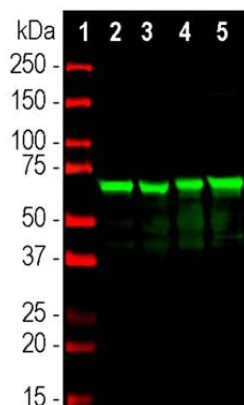


Image of a rat frontal cortex by **Immunofluorescence and Immunohistochemistry**. The section was stained with M-2114-50, Neurofilament light polypeptide (NF-L), Clone 6H112, Mouse mAb, (green, 1:2000), and co-stained with product R-3771-100, FOX3/NeuN, Rabbit pAb, (red, 1:2,000). Method: Following transcardial 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 12. September 2026 | All information without guarantee