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PRODUCT DATASHEET

Anti-Neurofilament light polypeptide, C-terminus, (NF-L-Ct) Antibody

Product Details

Available Variants	50 µg (SKU:R-2113-50)
Conjugate	Unconjugated
Isotype	IgG
Host Species	Rabbit
Format	IgG
Physical State	Lyophilized
Buffer	Lyophilized from PBS buffer pH 7.2-7.6 with 0.1% trehalose, and sodium azide
Production Notes	Affinity-purified
Applications	ICC, IF, WB
Dilution Ranges	WB: 1:10000-1:200000 ICC: 1:5000
Species Reactivity	Bovine, Human, Mouse, Pig, Rat
Immunogen	The antibody has been made against the C-terminal peptide of rat NF-L protein (amino acids 515-543; peptide GEEEDTKESEEEEKKEESAGEEQAAKKKD) with an N-terminal Cys 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. 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

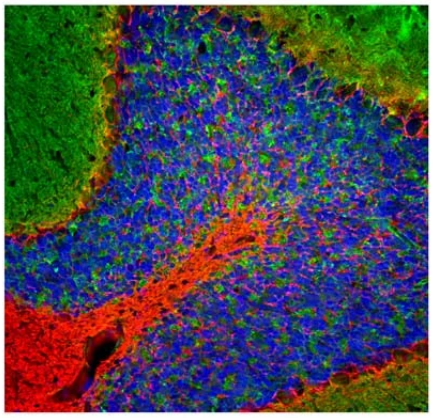
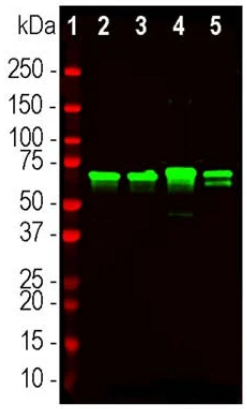


Image of a rat cerebellum section by **Immunofluorescence and Immunohistochemistry**. The section was stained with R-2113-50, Neurofilament light polypeptide, C-terminus, (NF-L-Ct), Rabbit pAb, (red, 1:5,000), and co-stained with product M-2106-100, Beta-Synuclein, Clone 6A10, Mouse mAb, (green, 1:5,000), and Hoechst staining of nuclear DNA (blue). Method: Following transcardial perfusion of rat with 4% paraformaldehyde brain was fixed for 24 hours, cut to 45 uM, and free-floating sections were stained with antibodies. Product R-2113-50 labels dendrites and axons of the neuronal cells whilst product M-2106-100 detects protein that is concentrated in the synaptic regions.



Analysis by **western blot** of NF-L expression in different rat and mouse tissue homogenates with R-2113-50, Neurofilament light polypeptide, C-terminus, (NF-L-Ct), Rabbit pAb, (green, 1:20,000) with strong banding at 68-70kDa corresponding to the NF-L protein. Lane 1: molecular weight marker; 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