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

PRODUCT DATASHEET

Anti-Neurofilament light polypeptide (NF-L), DG-Sensor™ Antibody

Product Details

Available Variants	100 µg (SKU:C-2125-100)
Conjugate	Unconjugated
Isotype	IgY
Host Species	Chicken
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	IF, IHC, WB
Dilution Ranges	WB: 1:1000-1:5000 IHC: 1:1000-1:10000 ICC: 1:1000-1:10000
Species Reactivity	Bovine, Human, Mouse, Pig, Rat
Immunogen	The antibody has been made against a proprietary recombinant construct containing amino acids of human NF-L expressed in and purified from E Coli.
Specificity	Species cross-reactivity includes human, rat, mouse, cow, and pig. These are antibodies which recognize epitopes in a small segment of the neurofilament NF-L subunit which are normally not accessible to antibodies but which became available on degeneration in natural or native conditions. Under reduced or proteinase treated tissues or Western blot, these antibodies are all specific for NF-L from a variety of species.
Storage	Spin vial briefly before opening. Reconstitute with 100 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

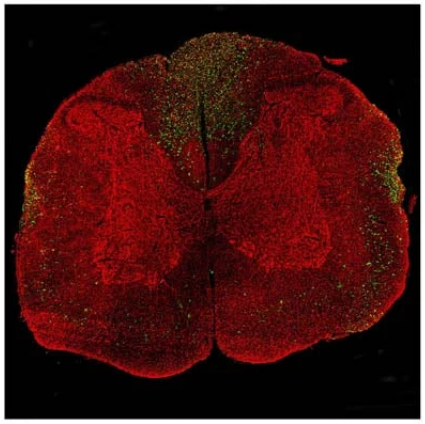
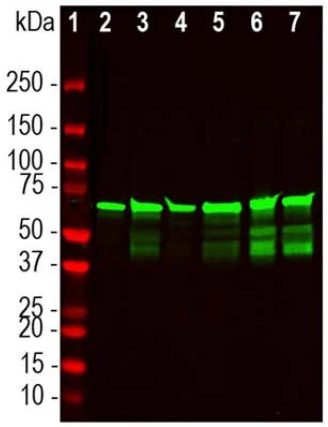


Image of a rat spinal cord section with a three-day-old midline C4 contusion injury by **Immunofluorescence and Immunohistochemistry**. The section was stained with C-2125-100, Neurofilament light polypeptide (NF-L), DG-Sensor™, Chicken pAb, (green), and co-stained with product R-2113-50, Neurofilament light polypeptide, C-terminus, (NF-L-Ct), Rabbit pAb, (red). Product C-2125-100 stains prominent aggregates of material concentrated in the lateral funiculi and dorsal columns, which are degenerating and degenerated axons caused by the C4 lesion. As product R-2113-50 antibody binds the C-terminal "tail" region of NF-L, which is absent or destroyed during degeneration, the DG-Sensor™ C-2125 stains positively for degenerating NF-L profiles, but staining with R-2113-50 full-length NF-L is largely negative.



Analysis by **western blot** of NF-L expression in different tissue lysates with C-2125-100, Neurofilament light polypeptide (NF-L), DG-Sensor™, Chicken pAb, (green, 1:10,000) with strong bands at approx 68kDa. Lane 1: protein standard (red); Lane 2: rat brain; Lane 3: rat spinal cord; Lane 4: mouse brain; Lane 5: mouse spinal cord; Lane 6: bovine spinal cord; Lane 7: pig spinal cord. DG-Sensor™ antibodies detect NF-L in denatured protein lysates regardless of degeneration state. The lower molecular weight bands detected in the spinal cord samples are proteolytic artefacts

---

Product Page URL: www.antibodiesinc.com/products/anti-neurofilament-light-polypeptide-nf-l-dg-sensor-antibody-c-2125-100

Created on 19. November 2026 | All information without guarantee