

# 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<br>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        | <a href="#">P07196</a>                           |
| 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

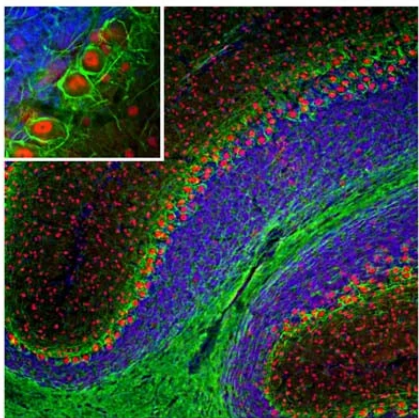
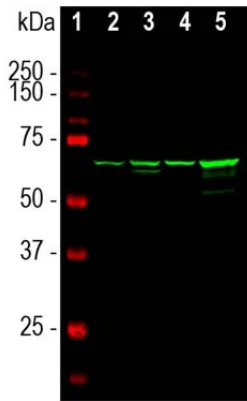


Image of a mouse cerebellum by **Immunofluorescence**. The section was stained with M-2112-50, Neurofilament light polypeptide (NF-L), Clone 7D1, Mouse mAb, (green, 1:5000), and co-stained with product chicken antibody to FOX2, (red, 1:2,000) IF Method: Following transcardial perfusion of mouse with 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.

**Product Page URL:** [www.antibodiesinc.com/products/anti-neurofilament-light-polypeptide-nf-l-antibody-7d1-m-2112-50](http://www.antibodiesinc.com/products/anti-neurofilament-light-polypeptide-nf-l-antibody-7d1-m-2112-50)

