Anti-Neurofilament M (NF-M)

Catalog Number: 1455-NFM  Size: 100 µl

Product Description: Chicken polyclonal antibody

Applications:  WB: 1:5,000  IF: 1:1000

Antigen: Recombinant fusion protein containing the extreme C-terminus of rat NF-M expressed in and purified from E. coli.

Species reactivity: The antibody has been directly tested for reactivity in chicken, human, mouse and rat tissues.

Biological Significance: Neurofilaments are the 10nm or intermediate filament proteins found specifically in neurons, and are composed predominantly of three major proteins called NF-L, NF-M and NF-H (1). NF-M is the neurofilament middle or medium molecular weight polypeptide and runs on SDS-PAGE gels at 145-160 kDa, with some variability across species boundaries. Antibodies to NF-M are useful for identifying neuronal cells and their processes in tissue sections and in tissue culture. NF-M antibodies can also be useful to visualize neurofilament accumulations seen in many neurological diseases, such as Amyotrophic Lateral Sclerosis (Lou Gehrig's disease) and Alzheimer's disease (2).

**Anti-Neurofilament M**

Western blot of rat cortex lysate showing specific immunolableing of the ~145k NF-M protein.

WB = Western Blot  IF = Immunofluorescence  IHC = Immunohistochemistry  IP = Immunoprecipitation

Packaging: Liquid containing 10mM sodium azide.

Storage and Stability: Store at –20°C in undiluted aliquots; stable for at least 1 year. Avoid freeze/thaw cycles.

Shipment: Domestic - Blue Ice; International - Blue Ice or Dry Ice.

For Research Use Only.
**Purification Method:** Total IgY fraction

**Antibody Specificity:** Specific for the ~145k Neurofilament M protein.

**Quality Control Tests:** Western blots performed on each lot.

**References:**
