

## NEFH Polyclonal Antibody

**Catalog No.** E-AB-62149

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

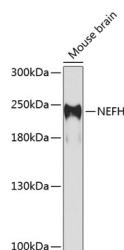
### Description

|                     |                                               |
|---------------------|-----------------------------------------------|
| <b>Reactivity</b>   | Human,Mouse,Rat                               |
| <b>Immunogen</b>    | Recombinant fusion protein of human NEFH      |
| <b>Host</b>         | Rabbit                                        |
| <b>Isotype</b>      | IgG                                           |
| <b>Purification</b> | Affinity purification                         |
| <b>Conjugation</b>  | Unconjugated                                  |
| <b>Buffer</b>       | PBS with 0.01% thiomersal,50% glycerol,pH7.3. |

### Applications Recommended Dilution

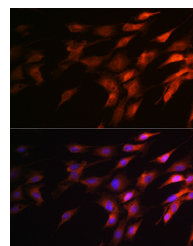
|           |              |
|-----------|--------------|
| <b>WB</b> | 1:500-1:2000 |
| <b>IF</b> | 1:50-1:100   |

### Data

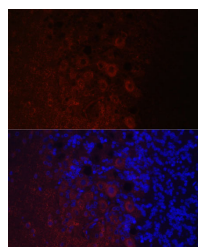


Western blot analysis of extracts of various cell lines using Neurofilament H Polyclonal Antibody at 1:1000 dilution.

**Observed Mw:150KDa/220KDa**  
**Calculated Mw:105kDa/112kDa**



Immunofluorescence analysis of C6 cells using Neurofilament H Polyclonal Antibody at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of mouse brain using Neurofilament H Polyclonal antibody at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.

### Preparation & Storage

### For Research Use Only

**Storage** Store at -20°C. Avoid freeze / thaw cycles.

## Background

Neurofilaments are type IV intermediate filament heteropolymers composed of light, medium, and heavy chains. Neurofilaments comprise the axoskeleton and functionally maintain neuronal caliber. They may also play a role in intracellular transport to axons and dendrites. This gene encodes the heavy neurofilament protein. This protein is commonly used as a biomarker of neuronal damage and susceptibility to amyotrophic lateral sclerosis (ALS) has been associated with mutations in this gene.

## For Research Use Only