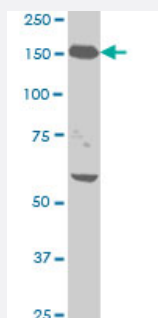


# NEFH monoclonal antibody (M01), clone 2E8

Catalog # H00004744-M01

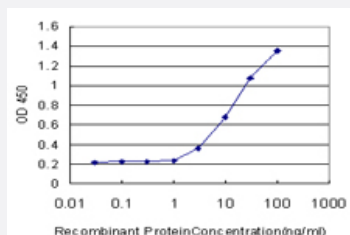
Size 100 ug

## Applications



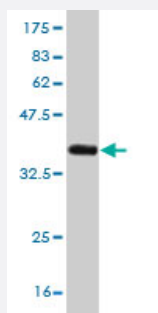
### Western Blot (Cell lysate)

NEFH monoclonal antibody (M01), clone 2E8 Western Blot analysis of NEFH expression in HeLa ( Cat # L013V1 ).



### Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged NEFH is approximately 0.03ng/ml as a capture antibody.



Western Blot detection against Immunogen (36.85 KDa) .

## Specification

### Product Description

Mouse monoclonal antibody raised against a partial recombinant NEFH.

|                                      |                                                                                                                   |
|--------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| <b>Immunogen</b>                     | NEFH (NP_066554, 263 a.a. ~ 363 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. |
| <b>Sequence</b>                      | LKCDVTSALREIRAQLEGHAVQSTLQSEEWFRVRLDRLSEAAKVNTDAMRSAQEEITEYRRQLQARTTELEALKSTKDSLQRSELEDRHQADIASYQEA               |
| <b>Host</b>                          | Mouse                                                                                                             |
| <b>Reactivity</b>                    | Human                                                                                                             |
| <b>Interspecies Antigen Sequence</b> | Mouse (98); Rat (95)                                                                                              |
| <b>Isotype</b>                       | IgG2a Kappa                                                                                                       |
| <b>Quality Control Testing</b>       | Antibody Reactive Against Recombinant Protein.<br>Western Blot detection against Immunogen (36.85 KDa) .          |
| <b>Storage Buffer</b>                | In 1x PBS, pH 7.4                                                                                                 |
| <b>Storage Instruction</b>           | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.                                          |

## Applications

- Western Blot (Cell lysate)

NEFH monoclonal antibody (M01), clone 2E8 Western Blot analysis of NEFH expression in HeLa ( Cat # L013V1 ).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged NEFH is approximately 0.03ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

## Gene Info — NEFH

Entrez GeneID [4744](#)

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| GeneBank Accession# | <a href="#">NM_021076</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Protein Accession#  | <a href="#">NP_066554</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Gene Name           | NEFH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Gene Alias          | NFH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Gene Description    | neurofilament, heavy polypeptide                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Omim ID             | <a href="#">105400 162230</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Gene Ontology       | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Gene Summary        | 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 th e 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 thi s gene. [provided by RefSeq] |
| Other Designations  | neurofilament triplet H protein neurofilament, heavy polypeptide 200kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

## Pathway

- [Amyotrophic lateral sclerosis \(ALS\)](#)

## Disease

- [Amyotrophic lateral sclerosis](#)
- [Dominance](#)
- [Genetic Predisposition to Disease](#)
- [Motor Neuron Disease](#)
- [Multiple Sclerosis](#)
- [Schizophrenia](#)