



## International Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB09641 - Goat Anti-NEFM / NF-M Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** NEFM, neurofilament, medium polypeptide, NEF3, NF-M, NFM, neurofilament triplet M protein, neurofilament, medium polypeptide 150kDa, neurofilament-3 (150 kD medium)

**Official Symbol:** NEFM

**Accession Number(s):** NP\_005373.2

**Human GeneID(s):** [4741](#)

**Non-Human GeneID(s):** 18040 (mouse), 24588 (rat)

**Important Comments:** This antibody is expected to recognize reported isoform 1 (NP\_005373.2) only.

### Immunogen

Peptide with sequence C-QASHITVERKDYLK, from the internal region of the protein sequence according to NP\_005373.2.

Please note the [peptide](#) is available for sale.

### Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

### Applications Tested

**Peptide ELISA:** antibody detection limit dilution 1:128000.

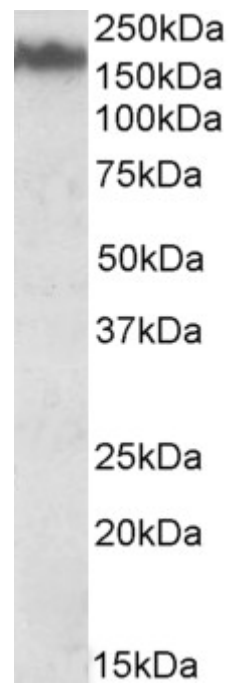
**Western blot:** Approx 170-200kDa band observed in Mouse Brain lysates (calculated MW of 102kDa according to NP\_005373.2). This molecular weight is routinely observed by other sources. Recommended concentration: 0.03-0.1µg/ml. Primary incubation was 1 hour.

**IHC:** Paraffin embedded Human Brain (Cortex). Recommended concentration: 5µg/ml.

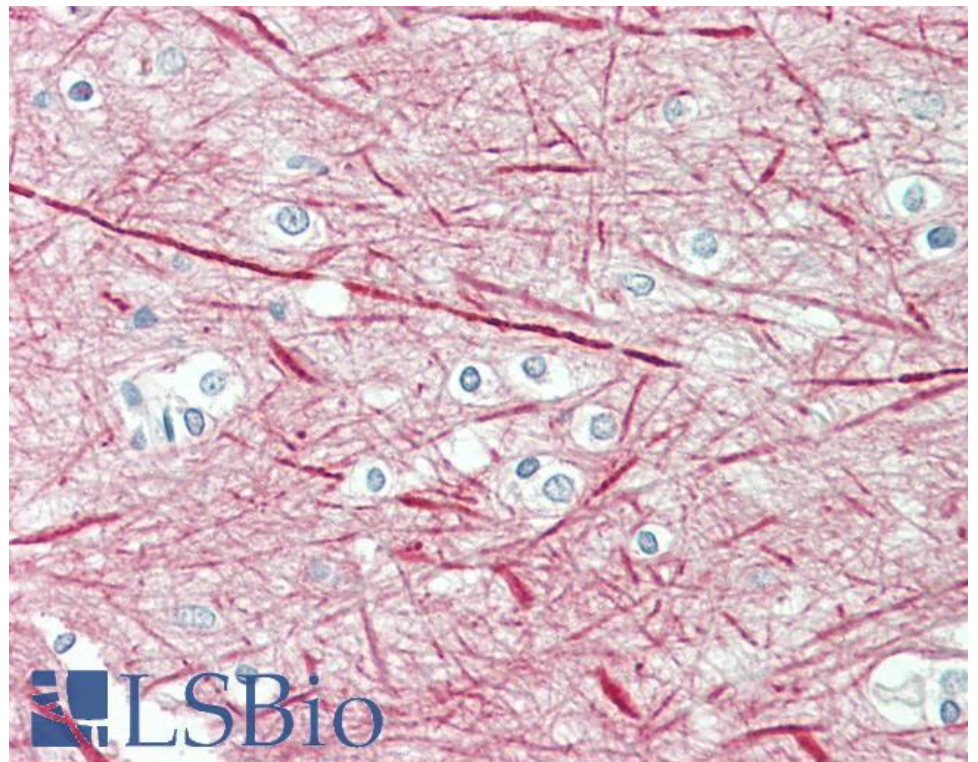
### Species Reactivity

**Tested:** Human, Mouse

**Expected from sequence similarity:** Human, Mouse, Rat, Dog, Pig, Cow



EB09641 (0.03µg/ml) staining of Mouse Brain lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.



EB09641 (5µg/ml) staining of paraffin embedded Human Cortex. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.