

### **International Office**

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# 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 GenelD(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- $0.1\mu g/ml$ . Primary incubation was 1 hour.

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

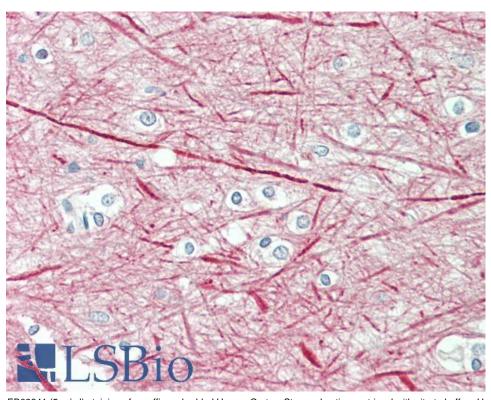
# **Species Reactivity**

Tested: Human, Mouse

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



EB09641 ( $0.03\mu g/ml$ ) staining of Mouse Brain lysate ( $35\mu g$  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.