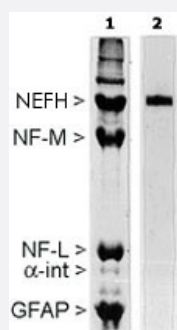


# NEFH monoclonal antibody, clone NAP4

Catalog # MAB2320      Size 100 uL

## Applications



### Western Blot (Tissue lysate)

Rat spinal cord homogenate showing the major intermediate filament proteins of the nervous system (lane 1). The lane shows blot of this material stained with NEFH monoclonal antibody, clone NAP4 (Cat # MAB2320).

## Specification

<b>Product Description</b>	Mouse monoclonal antibody raised against native NEFH.
<b>Immunogen</b>	Native purified neurofilaments from pig spinal cord.
<b>Host</b>	Mouse
<b>Theoretical MW (kDa)</b>	180-220
<b>Reactivity</b>	Birds, Human, Mammals
<b>Specificity</b>	Specifically recognizes the phosphorylated variant of NF-H subunit (~180-220 KDa), showing some weaker reactivity with phosphorylated forms of NF-M.
<b>Form</b>	Liquid
<b>Isotype</b>	IgG1, kappa
<b>Quality Control Testing</b>	Antibody Reactive Against Native Purified Protein.
<b>Recommend Usage</b>	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:1000) Western Blot (1:5000) The optimal working dilution should be determined by the end user.

<b>Storage Buffer</b>	In 10 mM sodium phosphate buffer, 250 mM NaCl, pH 7.6 (15 mg/mL BSA, 5 mM sodium azide, 0.01% thimerosal)
<b>Storage Instruction</b>	Store at 4°C for short term. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide and thimerosal: POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot (Tissue lysate)

Rat spinal cord homogenate showing the major intermediate filament proteins of the nervous system (lane 1). The lane shows blot of this material stained with NEFH monoclonal antibody, clone NAP4 (Cat # MAB2320).

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

- Enzyme-linked Immunoabsorbent Assay

## Publication Reference

- [Caveolin-1 deficiency increases cerebral ischemic injury.](#)

Jasmin JF, Malhotra S, Singh Dhallu M, Mercier I, Rosenbaum DM, Lisanti MP.

Circulation Research 2007 Mar; 100(5):721.

Application: IF, Rat, Rat ischemic hemispheres

- [A molecular dissection of the carboxyterminal tails of the major neurofilament subunits NF-M and NF-H.](#)

Harris J, Ayyub C, Shaw G.

Journal of Neuroscience Research 1991 Sep; 30(1):47.

Application: Func, Fusion protein