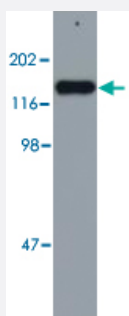


# Neurofilament medium protein monoclonal antibody, clone NF-09

Catalog # MAB3872

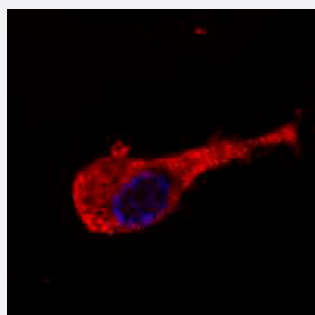
Size 100 ug

## Applications



### Western Blot (Tissue lysate)

Western blotting analysis of Neurofilament medium protein in porcine brain lysate (reducing conditions) by Neurofilament medium protein monoclonal antibody, clone NF-09 (Cat # MAB3872).



### Immunofluorescence

Immunofluorescence staining of neurofilament medium protein in murine Neuro2A cells by Neurofilament medium protein monoclonal antibody, clone NF-09 (Cat # MAB3872) conjugated with Dyomics 547 (red). DNA stained by Hoechst (blue).

## Specification

<b>Product Description</b>	Mouse monoclonal antibody raised against native Neurofilament medium protein.
<b>Immunogen</b>	Native purified from porcine brain cold stable proteins after depolymerization of microtubules.
<b>Host</b>	Mouse
<b>Theoretical MW (kDa)</b>	160
<b>Reactivity</b>	Mammals, Pig
<b>Specificity</b>	This antibody reacts with both phosphorylated and non-phosphorylated form of medium neurofilament protein (160 KDa) of various species.

Form	Liquid
Isotype	IgG2a
Recommend Usage	The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (0.09% sodium azide)
Storage Instruction	Store at 4°C. Do not freeze. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot (Tissue lysate)

Western blotting analysis of Neurofilament medium protein in porcine brain lysate (reducing conditions) by Neurofilament medium protein monoclonal antibody, clone NF-09 (Cat # MAB3872).

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

- Immunocytochemistry

- Immunofluorescence

Immunofluorescence staining of neurofilament medium protein in murine Neuro2A cells by Neurofilament medium protein monoclonal antibody, clone NF-09 (Cat # MAB3872) conjugated with Dyomics 547 (red). DNA stained by Hoechst (blue).

## Publication Reference

- [Regulation between O-GlcNAcylation and phosphorylation of neurofilament-M and their dysregulation in Alzheimer disease.](#)

Deng Y, Li B, Liu F, Iqbal K, Grundke-Iqbal I, Brandt R, Gong CX.

FASEB Journal 2008 Jan; 22(1):138.

Application: IF, IHC, WB-Ti, Rat, Rat brain

- [The neurofilament middle molecular mass subunit carboxyl-terminal tail domains is essential for the radial growth and cytoskeletal architecture of axons but not for regulating neurofilament transport rate.](#)

Rao MV, Campbell J, Yuan A, Kumar A, Gotow T, Uchiyama Y, Nixon RA.

The Journal of Cell Biology 2003 Dec; 163(5):1021.

Application: WB-Ti, Mouse, Sciatic, Optic nerve

- [Monoclonal antibody NF-09 specific for neurofilament protein NF-M.](#)

Dráberová E, Sulimenko V, Kukharskyy V, Dráber P.

Folia Biologica 1999 Mar; 45(4):163.

Application: IF, WB-Ti, Mouse, Pig, Brain, P19 cells