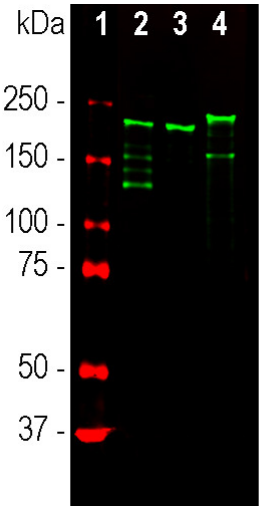


NF-H Monoclonal Antibody (9B12)

Product Details	
Size	100 µL
Species Reactivity	Bovine, Human, Mouse, Rat
Host/Isotype	Mouse / IgG2b
Class	Monoclonal
Type	Antibody
Clone	9B12
Conjugate	Unconjugated
Immunogen	Native NF-H purified from bovine spinal cord, binding to phosphorylated KSP sequences
Form	Liquid
Concentration	1 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS with 50% glycerol
Contains	5mM sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

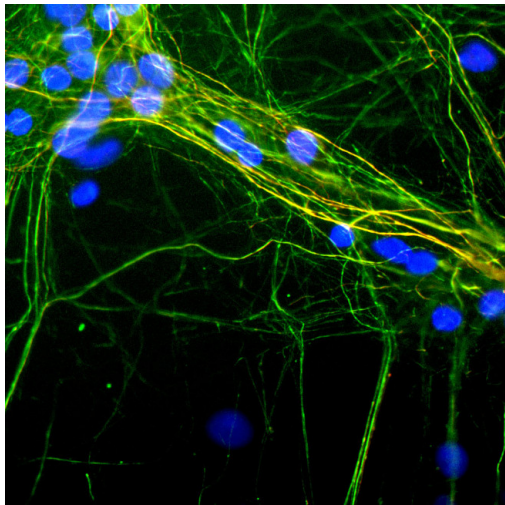
Applications	Tested Dilution	Publications
Western Blot (WB)	1:10,000	-
Immunohistochemistry (PFA fixed) (IHC (PFA))	1:1,000	-
Immunocytochemistry (ICC/IF)	1:1,000	-

Product Images For NF-H Monoclonal Antibody (9B12)



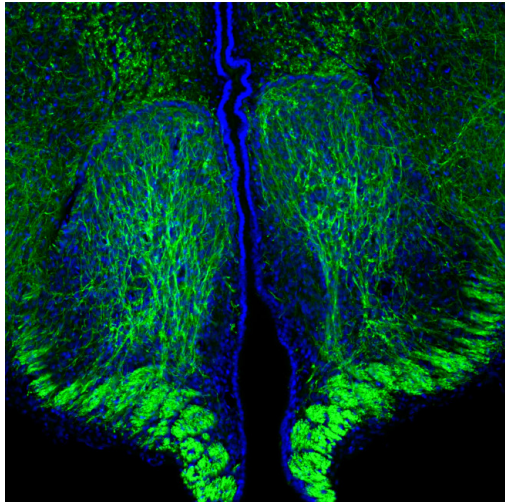
NF-H Antibody (MA5-47470) in WB

Western blot analysis of NF-H in different tissue lysates. Samples were incubated in NF-H monoclonal antibody (Product # MA5-47470) using a dilution of 1:10,000 (green). [1] protein standard, [2] rat spinal cord [3] mouse spinal cord, and [4] cow spinal cord. Strong band at about 200-220 kDa corresponds to the major phosphorylated form of the NF-H subunit. Smaller proteolytic fragments of NF-H are also detected in some preparations.



NF-H Antibody (MA5-47470) in ICC/IF

Immunocytochemistry analysis of NF-H in E20 rat cortex grown in culture. Samples were stained with NF-H monoclonal antibody (Product # MA5-47470) using a dilution of 1:5,000 (red). Costained with polyclonal antibody to neurofilament NF-L, dilution 1:5,000 in green. The NF-H antibody binds to phosphorylated NF-H found in some mature axonal profiles, while the NF-L binds to both axonal, dendritic and developing neuronal processes. The mature axonal profiles contain both NF-L and phosphorylated NF-H and so appear yellow, while processes expressing only NF-L appear green. Nuclear DNA is revealed by DAPI dye in blue.



NF-H Antibody (MA5-47470) in IHC (PFA)

Immunohistochemistry analysis of NF-H in rat brain coronal section of the third ventricle. Samples were stained with NF-H monoclonal antibody (Product # MA5-47470) using a dilution of 1:5,000 (green). The blue is Hoechst staining of nuclear DNA. Following transcardial perfusion with 4% paraformaldehyde, brain was post fixed for 24 hours, cut to 45 M, and free-floating sections. The NF-H antibody is a robust marker of the axons of neuronal cells.

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