

NF-H Polyclonal Antibody

Catalog NumberPA5-34759

Product data sheet

Details		Species Reactivity	
Size	100 µL	Species reactivity	Human, Mouse, Rat
Host/Isotope	Rabbit / IgG	Tested Applications	Dilution *
Class	Polyclonal		
Type	Antibody		
Immunogen	Recombinant protein fragment contains a sequence corresponding to a region within amino acids 380 and 629 of Human 200 kD Neurofilament Heavy		
Conjugate	Unconjugated		
Form	Liquid	Immunohistochemistry (Frozen) (IHC (F))	1:100-1:1,000
Concentration	0.71 mg/mL	Immunohistochemistry (Paraffin) (IHC (P))	1:100-1:1,000
Purification	Antigen affinity chromatography	Western Blot (WB)	1:500-1:3,000
Storage buffer	0.1M tris glycine, pH 7, with 10% glycerol	Immunocytochemistry (ICC/IF)	1:100-1:1,000
Contains	0.01% thimerosal	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

Product specific information

Recommended positive controls: rat brain, IMR32. IHC notes, Requires antigen retrieval using heat mediated 10mM Citrate buffer (pH6.0) or Tris-EDTA buffer (pH8.0) Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

Background/Target Information

Involved in the maintenance of neuronal caliber, neurofilaments are the intermediate filament proteins found specifically in neurons, and are composed predominantly of three major proteins called NF-L, NF-M and NF-H. Like most other intermediate filament proteins (IFPs), the expression of the different neuronal IFPs is both tissue-specific and developmentally regulated. NF-H has an important role in mature axons and is involved in amyotrophic lateral sclerosis (ALS).

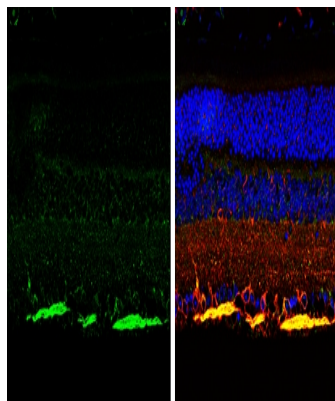
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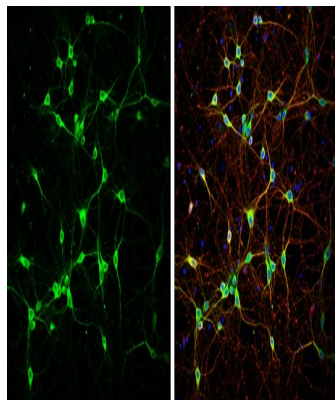
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Product Images For NF-H Polyclonal Antibody



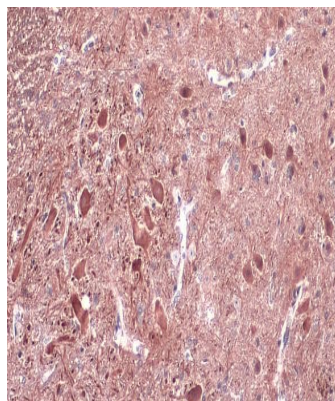
NF-H Antibody (PA5-34759) in IHC (P)

Immunohistochemistry (Paraffin) analysis of NF-H was performed in paraffin-Embedded adult mouse retina tissue using Green: Vimentin Polyclonal Antibody (Product # PA5-27231) at a dilution of 1:250. Red: beta Tubulin 3/ TUJ1, stained by beta Tubulin 3/ TUJ1 antibody diluted at 1:500. Blue: Fluoroshield with DAPI.



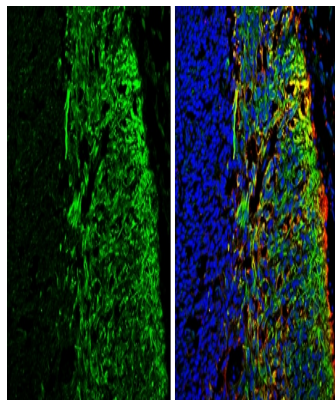
NF-H Antibody (PA5-34759) in ICC/IF

Immunocytochemistry-Immunofluorescence analysis of NF-H was performed in DIV9 rat E18 primary cortical neurons fixed in 4% paraformaldehyde at RT for 15 min. Green: NF-H Polyclonal Antibody (Product # PA5-34759) diluted at 1:500. Red: beta Tubulin 3/ Tuj1, stained by beta Tubulin 3/ Tuj1 antibody. Blue: Fluoroshield with DAPI.



NF-H Antibody (PA5-34759) in IHC (P)

NF-H Polyclonal Antibody detects NF-H protein at cytoplasm by immunohistochemical analysis. Sample: Paraffin-embedded mouse spinal cord. NF-H stained by NF-H Polyclonal Antibody (Product # PA5-34759) diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



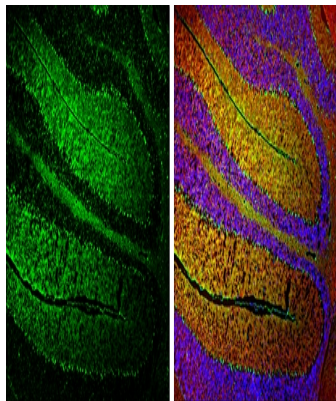
NF-H Antibody (PA5-34759) in IHC (F)

Immunohistochemistry (Frozen) analysis of NF-H was performed in frozen sectioned E13.5 Rat brain tissue using NF-H Polyclonal Antibody (Product # PA5-34759) at a dilution of 1:250 (Green). Red: beta Tubulin 3/ TUJ1, a mature neuron marker, stained by beta Tubulin 3/ TUJ1 antibody diluted at 1:500. Blue: Fluoroshield with DAPI.

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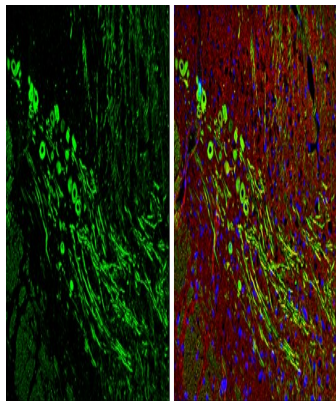
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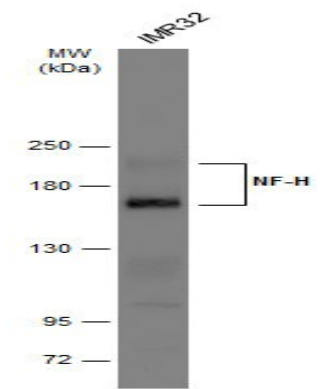
NF-H Antibody (PA5-34759) in IHC (F)

Immunohistochemistry (Frozen) analysis of NF-H was performed in frozen-sectioned adult mouse cerebellum tissue using NF-H Polyclonal Antibody (Product # PA5-34759) at a dilution of 1:250 (Green). Red: beta Tubulin 3/ TUJ1, stained by beta Tubulin 3/ TUJ1 antibody diluted at 1:500. Blue: Fluoroshield with DAPI.



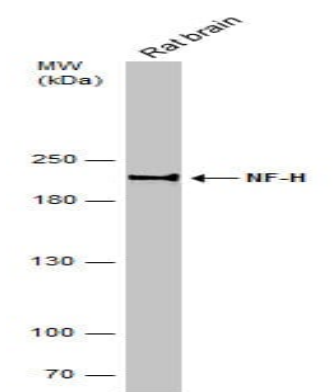
NF-H Antibody (PA5-34759) in IHC (F)

Immunohistochemistry (Frozen) analysis of NF-H was performed in frozen-sectioned adult mouse cerebellum tissue using NF-H Polyclonal Antibody (Product # PA5-34759) at a dilution of 1:250 (Green). Red: beta Tubulin 3/ TUJ1, stained by beta Tubulin 3/ TUJ1 antibody diluted at 1:500. Blue: Fluoroshield with DAPI.



NF-H Antibody (PA5-34759) in WB

Western blot analysis of NF-H was performed by separating 30 µg of whole cell extract by 5% SDS-PAGE. Proteins were transferred to a membrane and probed with a NF-H Polyclonal Antibody (Product # PA5-34759) at a dilution of 1: 500. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



NF-H Antibody (PA5-34759) in WB

Western Blot analysis of NF-H was performed by separating 50 µg of rat tissue extract by 5% SDS-PAGE. Proteins were transferred to a membrane and probed with a NF-H Polyclonal Antibody (Product # PA5-34759) at a dilution of 1: 500.

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