

# NF2 Polyclonal Antibody

Catalog NumberPA5-29748

Product data sheet

Details		Species Reactivity	
Size	100 µL	Species reactivity	Human, Mouse, Rat
Host/Isotope	Rabbit / IgG	Tested Applications	
Class	Polyclonal	Immunohistochemistry (Paraffin) (IHC (P))	1:100-1:1,000
Type	Antibody	Western Blot (WB)	1:1,000-1:10,000
Immunogen	Recombinant protein fragment corresponding to a region within amino acids 1 and 172 of Human Neurofibromin 2	* 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.	
Conjugate	Unconjugated		
Form	Liquid		
Concentration	1 mg/mL		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

## Product specific information

PA5-29748 targets Neurofibromin 2 in IHC (P) and WB applications and shows reactivity with Human, mouse, and Rat samples. The PA5-29748 immunogen is recombinant protein fragment corresponding to a region within amino acids 1 and 172 of Human Neurofibromin 2. Store product as a concentrated solution. Centrifuge briefly prior to opening the vial. For short-term storage (1-2 weeks), product can be stored at 4°C. For long-term storage, aliquot and store product at -20° C or below, avoiding multiple freeze-thaw cycles.

## Background/Target Information

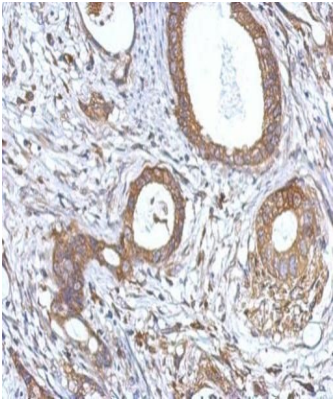
NF2 encodes a protein, Merlin, that is similar to some members of the ERM family of proteins that are thought to link cytoskeletal components with proteins in the cell membrane. Merlin has been shown to interact with cell-surface proteins, proteins involved in cytoskeletal dynamics and proteins involved in regulating ion transport. This gene is expressed at high levels during embryonic development; in adults, significant expression is found in Schwann cells, meningeal cells, lens and nerve. Mutations in this gene are associated with neurofibromatosis type II which is characterized by nervous system and skin tumors and ocular abnormalities. Two predominant isoforms and a number of minor isoforms are produced by alternatively spliced transcripts.

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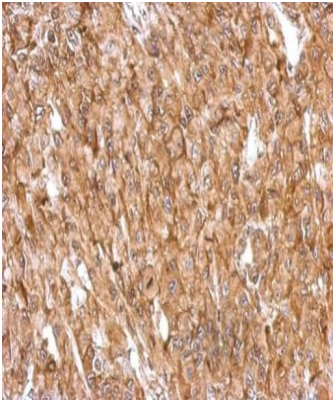
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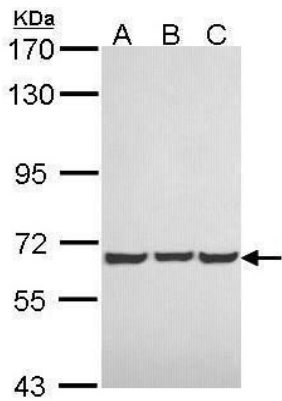
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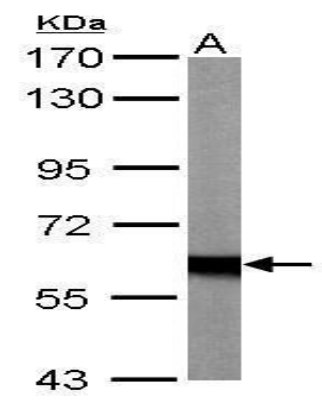
**NF2 Antibody (PA5-29748) in IHC (P)**  
Immunohistochemical analysis of Neurofibromin 2 in paraffin-embedded gastric carcinoma using a Neurofibromin 2 polyclonal antibody (Product # PA5-29748) at a dilution of 1:500.



**NF2 Antibody (PA5-29748) in IHC (P)**  
Immunohistochemical analysis of Neurofibromin 2 in paraffin-embedded RT2 xenograft using a Neurofibromin 2 polyclonal antibody (Product # PA5-29748) at a dilution of 1:500.



**NF2 Antibody (PA5-29748) in WB**  
Western blot analysis of Neurofibromin 2 using 30 µg of A) A431 (B) H1299 and C) HeLa lysate. Samples were loaded onto a 7.5% SDS-PAGE gel and probed with a Neurofibromin 2 polyclonal antibody (Product # PA5-29748) at a dilution of 1:1000.



**NF2 Antibody (PA5-29748) in WB**  
Western blot analysis of Neurofibromin 2 using 20 µg of mouse brain lysate. Samples were loaded onto a 7.5% SDS-PAGE gel and probed with a Neurofibromin 2 polyclonal antibody (Product # PA5-29748) at a dilution of 1:10,000.

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