

Product Datasheet

Peripherin Antibody (7C5) - BSA Free NB300-220-0.1ml

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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Updated 9/9/2025 v.20.1

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NB300-220-0.1ml

Peripherin Antibody (7C5) - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	This product is unpurified. The exact concentration of antibody is not quantifiable.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	7C5
Preservative	5mM Sodium Azide
Isotype	IgG1
Purity	Tissue culture supernatant
Buffer	50% PBS, 50% glycerol
Target Molecular Weight	57 kDa

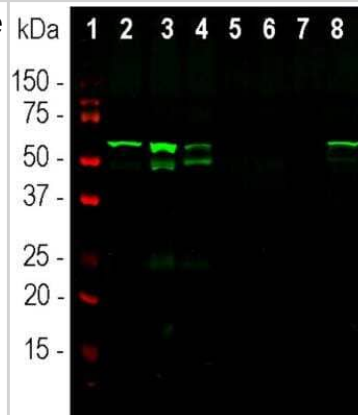
Product Description	
Description	Novus Biologicals Mouse Peripherin Antibody (7C5) - BSA Free (NB300-220) is a monoclonal antibody validated for use in IHC, WB and ICC/IF. Anti-Peripherin Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	5630
Gene Symbol	PRPH
Species	Mouse, Rat, Human (Negative)
Marker	Un-myelinated Neurons Marker
Immunogen	Recombinant rat Peripherin purified from E. coli. [UniProt# P21807]

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:1000, Immunohistochemistry 1:200, Immunocytochemistry/ Immunofluorescence 1:500
Application Notes	This Peripherin (7C5) antibody can be used in Immunocytochemistry/Immunofluorescence and Western blot. A band at ~57 kDa can be seen in Western blot. This clone is relatively insensitive to aldehyde fixation, making it superior to clone 8G2 for this purpose. *The investigator should determine the optimal dilution for a specific application.

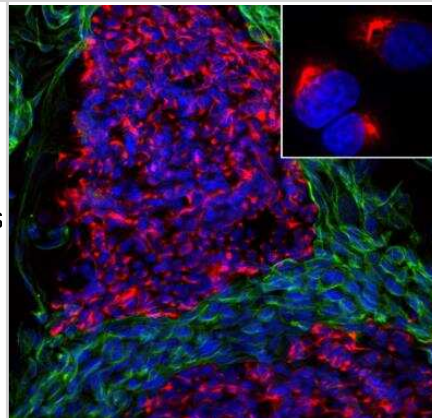


Images

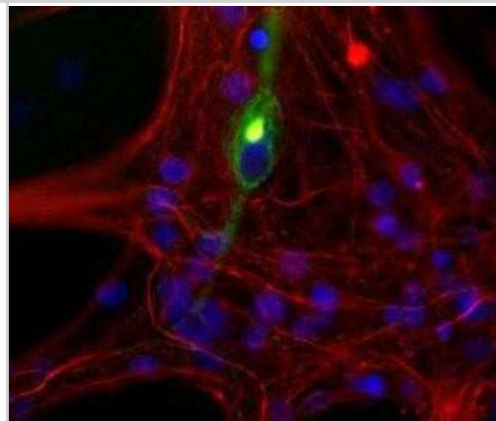
Western Blot: Peripherin Antibody (7C5) [NB300-220] - Analysis of tissue and cell lysates using Peripherin antibody, dilution 1:1,000 (Green): [1] protein standard, [2] rat spinal cord, [3] rat sciatic nerve, [4] mouse spinal cord, [5] pig spinal cord, [6] cow spinal cord, [7] SH-SY5Y cells, and [8] PC12 cells. The band at ~57kDa corresponds to the peripherin protein detected only in rat and mouse lysates, since the antibody is rodent specific.



Immunocytochemistry/Immunofluorescence: Peripherin Antibody (7C5) [NB300-220] - Analysis of mixed fibroblast and rat pheochromocytoma PC12 cell culture stained with peripherin antibody, dilution 1:500 (Red), and costained with chicken pAb to vimentin, dilution 1:10,000 (Green). Hoechst staining of nuclear DNA (Blue). The peripherin antibody reveals cytoplasmic filamentous staining in the small PC12 cells, while vimentin antibody stains intermediate filaments in the surrounding fibroblastic cells which do not express peripherin.



Immunocytochemistry/Immunofluorescence: Peripherin Antibody (7C5) [NB300-220] - Mixed neuron/glia cultures from newborn rat brain stained with NB300-220 antibody to peripherin (green) and rabbit polyclonal antibody to NF-L NBP1-05218 (red channel). A class of large neurons, like the one in the middle of this image, contain peripherin, while the majority of neurons and their processes contain NF-L and not peripherin. Interestingly, the peripherin positive cells often contain a cytoplasmic inclusion next to the nucleus which stains for both peripherin and NF-L, and so appears golden in this kind of image. The blue channel reveals the localization of DNA.



Publications

Becherel OJ, Yeo AJ, Stellati A et al. Senataxin Plays an Essential Role with DNA Damage Response Proteins in Meiotic Recombination and Gene Silencing. PLoS Genet 2013-04-01 [PMID: 23593030]



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Products Related to NB300-220-0.1ml

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
H00005630-P01-10ug	Recombinant Human Peripherin GST (N-Term) Protein

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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