

# Product Datasheet

## Peripherin Antibody (8G2) - BSA Free NB300-138-100uL

Unit Size: 100 uL

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

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**NB300-138-100uL**

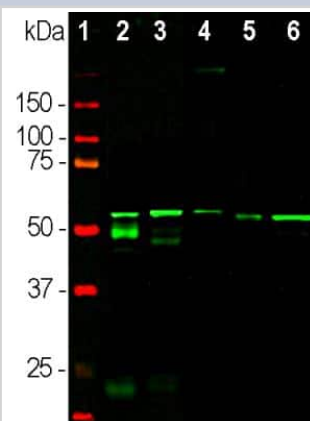
Peripherin Antibody (8G2) - BSA Free

Product Information	
Unit Size	100 uL
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	8G2
Preservative	5mM Sodium Azide
Isotype	IgG1
Purity	Protein G purified
Buffer	50% PBS, 50% glycerol
Target Molecular Weight	57 kDa
Product Description	
Description	Novus Biologicals Mouse Peripherin Antibody (8G2) - BSA Free (NB300-138) 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	Human, Mouse, Rat, Porcine, Bovine
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 1:5000, Immunohistochemistry 1:500, Immunocytochemistry/ Immunofluorescence 1:500
Application Notes	In WB a band can be seen at ~57 kDa. The observed molecular weight of the protein may vary from the listed predicted molecular weight due to post translational modifications, post translation cleavages, relative charges, and other experimental factors.

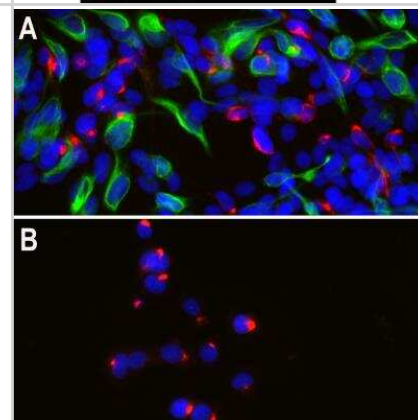


## Images

**Western Blot: Peripherin Antibody (8G2) [NB300-138] - Analysis of tissue and cell lysates probed with mouse mAb to peripherin, NB300-138, dilution 1:500 in green:** [1] protein standard (red), [2] mouse spinal cord, [3] rat spinal cord, [4] cow spinal cord, [5] SH-SY5Y cells, and [6] PC12 cells. The band at ~57kDa corresponds to the peripherin protein. Bands at 50 and 25kDa detected in the mouse spinal cord lysate, correspond to the heavy and light chains of mouse IgG.



**Immunocytochemistry/Immunofluorescence: Peripherin Antibody (8G2) [NB300-138] - Analysis of human neuroblastoma cell line SH-SY5Y (A) and rat pheochromocytoma cell line PC12 (B), stained with mouse mAb to peripherin, NB300-138, dilution 1:500, in red, and costained with chicken pAb to vimentin, dilution 1:10,000, in green. The blue is DAPI staining of nuclear DNA.** Peripherin, one of the Class III family of intermediate filament (IF) subunit proteins is revealed by NB300-138 antibody in the perinuclear region in some SH-SY5Y cells and in all PC12 cells. Vimentin, a protein also in the Class III IF family, is detected in a subpopulation of SH-SY5Y cells which are negative for peripherin. PC12 cells express peripherin but not vimentin.



## Publications

Errante, L et al. J. Neurosci. Res. 37:515-528. 1994-01-01 [PMID: 8021973]



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### **Products Related to NB300-138-100uL**

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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