

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

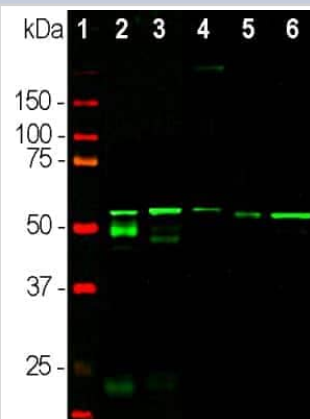
Peripherin Antibody (8G2) - BSA Free

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	0.035% Sodium Azide
Isotype	IgG1
Purity	Protein G purified
Buffer	50% PBS, 50% glycerol
Target Molecular Weight	57 kDa
Product Description	
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.

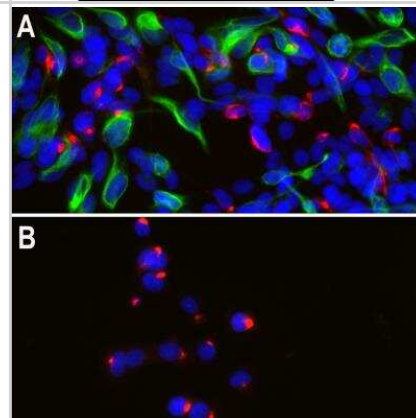


Images

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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