

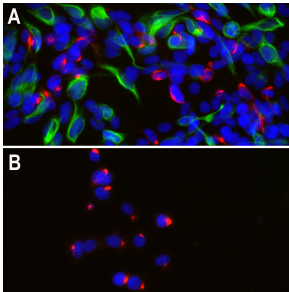
Anti-Peripherin Antibody [8G2] (A85433)

Specifications:

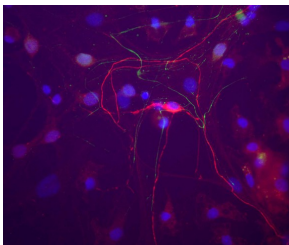
Name:	Anti-Peripherin Antibody [8G2]
Description:	Mouse monoclonal (8G2) antibody to Peripherin.
Applications:	WB, ICC/IF, IHC
Recommended Dilutions:	WB: 1:500-1:1,000, ICC/IF: 1:500, IHC: 1:500
Reactivity:	Human, Rat, Mouse, Bovine, Porcine
Immunogen:	Recombinant full-length rat Peripherin, expressed in and purified from E. coli.
Host:	Mouse
Clonality:	Monoclonal
Clone ID:	8G2
Isotype:	IgG1
Conjugate:	Unconjugated
Purification:	Immunogen affinity purification.
Concentration:	1 mg/ml
Molecular Weight:	57 kDa
Product Form:	Liquid
Formulation:	Supplied in Phosphate Buffered Saline with 50% Glycerol and 5mM Sodium Azide.
Storage:	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Disclaimer:	This product is for research use only. It is not intended for diagnostic or therapeutic use.

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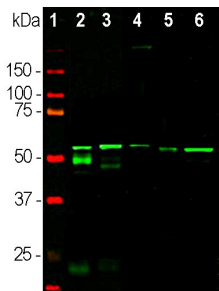
Images:



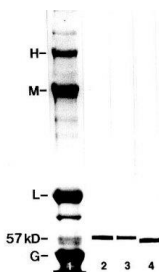
Immunofluorescent analysis of human neuroblastoma cell line SH-SY5Y (A) and rat pheochromocytoma cell line PC12 (B), stained with Anti-Peripherin Antibody (1:500 | red) and Anti-Vimentin Antibody (A85421 | 1:10,000 | green). The blue is DAPI staining of nuclear DNA. Peripherin, one of the Class III family of intermediate filament (IF) subunit proteins is revealed by Anti-Peripherin 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.



A neuron in a rat cortical neuron culture which stains strongly for peripherin with Anti-Peripherin Antibody (red). A minority of cells in such cultures are strongly peripherin positive. In some cases they also stain for other neurofilament subunits, but this particular cell shows very little staining for NF-L using Anti-NF-L Antibody (A85451 | green). Blue is the DNA stain DAPI.



Western blot analysis of tissue and cell lysates probed with Anti-Peripherin Antibody (1:500 | 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. Band at ~57 kDa corresponds to the peripherin protein. Bands at 50 and 25 kDa, detected in the mouse spinal cord lysate are heavy and light chains of IgG.



Lane 1 shows Coomassie blue stain of a cytoskeletal extract of rat spinal cord. H, M and L indicate the positions of the three major neurofilament subunits, while G corresponds to glial fibrillary acidic protein (GFAP). Immunoblotting of Anti-Peripherin Antibody on this material is shown in Lane 2. Lane 3 shows staining with Anti-Peripherin Antibody (A85430). Peripherin runs at ~57 kDa and so is a little larger than GFAP and vimentin which run at ~50 kDa (Lane 4 shows blotting with Anti-Vimentin Antibody).