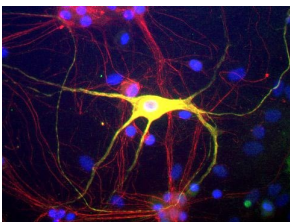


Anti-Peripherin Antibody (A85435)

Specifications:

Name:	Anti-Peripherin Antibody
Description:	Chicken polyclonal antibody to Peripherin.
Applications:	WB, ICC/IF, IHC
Recommended Dilutions:	WB: 1:20,000, ICC/IF: 1:2,000, IHC: 1:2,000
Reactivity:	Human, Rat, Mouse, Porcine, Bovine
Immunogen:	Recombinant full-length rat Peripherin, expressed in and purified from E. coli.
Host:	Chicken
Clonality:	Polyclonal
Isotype:	IgY
Conjugate:	Unconjugated
Molecular Weight:	57 kDa
Purity:	IgY preparation.
Product Form:	Liquid
Formulation:	Supplied as an aliquot of IgY preparation with 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.

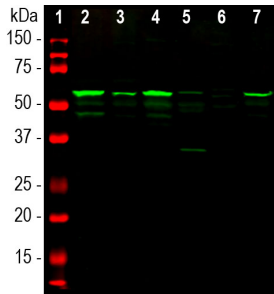
Images:



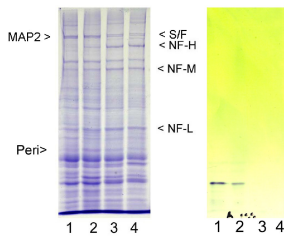
Rat mixed neuron/glia cultures stained with Anti-Peripherin Antibody (green) and Anti-Alpha-Internexin Antibody (A85441 | red). These cultures contain mostly neurons which are rich in α -internexin, and a subgroup which have a large amount of peripherin also, such as the prominent cell in the middle of the micrograph. Since this cell expresses large amounts of both peripherin and α -internexin, the green and red signals superimpose to produce a golden yellow cell. The blue signal is a DNA stain and reveals the nuclei of neurons and non-neuronal cells.

Anti-Peripherin Antibody (A85435)

Images continued:



Western blot analysis of spinal cord tissue lysates and cell lysates using Anti-Peripherin Antibody (A85435), at a dilution of 1:10,000, in green. The lanes contain samples of: [1] Protein standards, in red, [2] rat spinal cord, [3] mouse spinal cord, [4] pig spinal cord, [5] cow spinal cord, [6] SH-SY5Y cells, and [7] PC12 cells. The band at approximately 57 kDa corresponds to the peripherin protein.



These are Coomassie Brilliant Blue stained whole protein extracts of adult rat cortex (Lane 1), brain stem (Lane 2), cerebellum (Lane 3), and spinal cord (Lane 4) separated on 8% SDS-PAGE. The major neurofilament subunits are indicated by "NF-L", "NF-M" and "NF-H", spectrin/fodrin by "S/F" and Microtubule associated protein 2 by "MAP2". Right Panel is a western blot of similar preparations in the reverse orientation, where Lane 1 is spinal cord, Lane 2 is brain stem, Lane three is cerebellum and Lane 4 is cortex. This blot is from a 6% SDS-PAGE and processed for immunoblotting with Anti-Peripherin Antibody (1:10,000). A clear band running at 57kDa apparent size is seen in the spinal cord and brain stem lanes, but not in the other regions, in which peripherin is a very minor component. The position of this band on the Coomassie stained preparation is a little higher on the 8% gel and is indicated by "Peri" in the left panel.