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PRODUCT DATASHEET

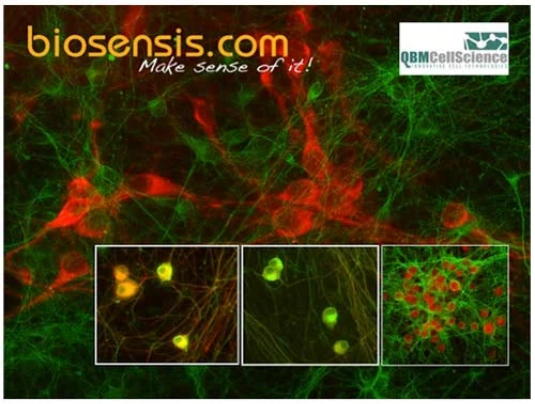
Anti-Peripherin Antibody

Product Details

Available Variants	50 µL (SKU:C-1399-50)
Conjugate	Unconjugated
Isotype	IgY
Host Species	Chicken
Format	IgY preparation
Physical State	Lyophilized
Buffer	Lyophilized IgY preparation, with sodium azide.
Applications	ICC, IHC, WB
Dilution Ranges	WB: 1:5000-1:10000 ICC: 1:500-1:1000
Species Reactivity	Feline, Human, Mouse, Rat
Immunogen	Recombinant full length rat Peripherin protein expressed in and purified from E.coli
Specificity	The specificity of this antibody has been confirmed by WB. This antibody detects ~57 kDa Peripherin protein. A suitable control tissue is rat spinal cord or peripheral nerve homogenate. Hu, rat, Ms, Fel, and other mammals.
Molecular Weight	57 kDa
Storage	Spin vial briefly before opening. Reconstitute with 50 µL sterile-filtered, ultrapure water. Centrifuge to remove any insoluble material. After reconstitution of lyophilized antibody, aliquot and store at -20°C for a higher stability. Avoid freeze-thaw cycles.
UniProt ID	P21807 UniProt Summary: Class-III neuronal intermediate filament protein. May form an independent structural network without the involvement of other neurofilaments or may cooperate with the neuronal intermediate filament

	proteins NEFL, NEFH, NEFM and INA to form a filamentous network. Assembly of the neuronal intermediate filaments may be regulated by RAB7A. Plays a role in the development of unmyelinated sensory neurons. May be involved in axon elongation and axon regeneration after injury. Inhibits neurite extension in type II spiral ganglion neurons in the cochlea.
Country of Origin	United States
Shipping	25°C (ambient)
Expiration	12 months after date of receipt (unopened vial).
Usage Statement	For research use only.
NCBI Gene ID	5630

Product Images



Background image: Substantia Nigra neurons from QBM CellScience thawed and cultured for 5 days and stained with Biosensis rabbit antibody to Tyrosine Hydroxylase (red, Catalog Number R-148-50) and monoclonal antibody Tuj (green). Photo courtesy of QBM Cell Science. Left and middle image: Dorsal Root Ganglia neurons from QBM CellScience thawed and cultured for 7 days and stained with Biosensis chicken antibody to Peripherin (red, Catalog Number C-1399-50) and monoclonal antibody Tuj (green). Photo courtesy of QBM Cell Science. Right image: Substantia Nigra neurons from QBM CellScience thawed and cultured for 14 days and stained with Biosensis rabbit antibody to NeuN (red, Catalog Number R-3770-100) and monoclonal antibody Tuj (green). Photo courtesy of QBM Cell Science.

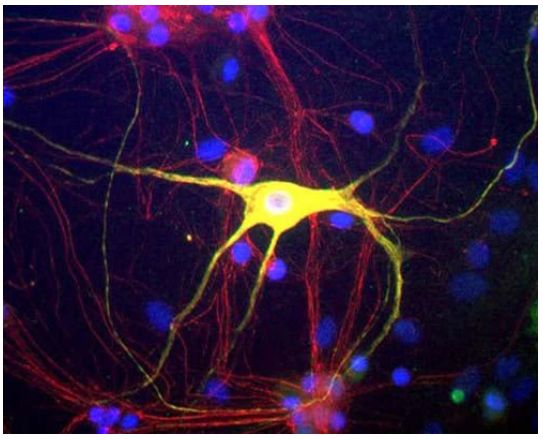
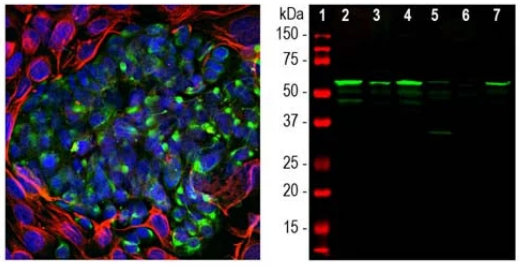


Image shows rat mixed neuron/glial cultures stained with Chicken polyclonal antibody to Peripherin C-1399-50 (green channel) and Rabbit polyclonal antibody to Internexin alpha R-1379-50 (green channel). These cultures contain mostly neurons which are rich in internexin-alpha, and a subgroup which have a large amount of peripherin also, such as the prominent cell in the middle of the micrograph. Since this cell expresses large amounts of peripherin and internexin-alpha, the green and red signals superimpose to produce a golden cell. Blue is a DNA stain.



Left: Analysis of peripherin expression in mixed fibroblast and PC12 pheochromocytoma cell culture by **Immunocytochemistry**. Cells were stained with chicken antibody to peripherin (1:5,000, green), and co-stained with rabbit antibody to vimentin (R-1699-100, 1:2,000, red). Blue: DAPI nuclear stain. The peripherin antibody reveals cytoplasmic filamentous staining in the small PC12 cells, while the vimentin antibody stains intermediate filaments in the surrounding fibroblastic cells which do not express peripherin. **Right: Western blot** analysis of spinal cord tissue lysates (lanes 2-5) and cell lysates (lanes 6 and 7) with chicken antibody to peripherin (1:10,000). [1] protein standard, [2] rat, [3] mouse, [4] pig, [5] cow, [6] SH-SY5Y, [7] PC12. The band at 57 kDa corresponds to peripherin protein.

Created on 19. November 2026 | All information without guarantee