

## Mouse monoclonal antibody to Peripherin [7C5]

Catalogue No.: M-1400-500

Description: THIS PRODUCT HAS BEEN SUPERCEDED. PLEASE REFER TO THE "REPLACED BY"

FIELD BELOW TO LOCATE THE CURRENT BIOSENSIS PRODUCT TO MEET YOUR RESEARCH NEEDS. Peripherin is a class-III neuronal intermediate filament protein found in

certain classes of neuron, most of which are located in the peripheral nervous system.

Replaced by: M-1400-100; affinity-purified Peripherin antibody [7C5]

Batch No.: See product label

Unit size: 500 µl

Antigen: Recombinant full length rat Peripherin protein expressed in and purified from E.coli

Antibody Type: Monoclonal

Clone: 7C5

Other Names: Peripherin; Prph; Prph1;
Accession: P21807 PERI\_RAT;

Produced in: Mouse

Applications: Western Blotting (WB), Immunocytochemistry (IC) and Immunohistochemistry (IH). A dilution of

1:500 - 1:1,000 is recommended for WB. A dilution of 1:200 is recommended for IC and IH. This antibody performs well on aldehyde fixed tissues. Biosensis recommends optimal

dilutions/concentrations should be determined by the end user.

Specificity: The specificity of this antibody has been confirmed by WB. This antibody detects ~57 kDa

Peripherin protein.

Antibody Against: Peripherin

Cross-reactivity: Hu, Rat, Ms, Feline. Predicted to react with other mammalian tissue.

Form: Lyophilised with 5% trehalose

Appearance: White powder

Reconstitute in 500 µl sterile distilled water. Centrifuge to remove any insoluble material.

Storage: After reconstitution of lyophilised antibody, aliquot and store at -20°C for a higher stability.

Avoid freeze-thaw cycles.

**Expiry Date:** 12 months after purchase

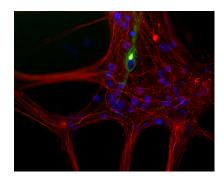
Specific References: 1. Sekerková G. et al (2008) Espin actin-cytoskeletal proteins are in rat type I spiral ganglion

neurons and include splice-isoforms with a functional nuclear localization signal. J Comp

Neurol. 2008 Aug 20;509(6):661-76.



## Mouse monoclonal antibody to Peripherin [7C5]



Mixed neuron/glia cultures from newborn rat brain stained with Mouse monoclonal antibody to Peripherin [7C5] M-1400-500 (green) and Rabbit polyclonal antibody to NF-L R-1392-50 (red channel). A class of large neurons, like the one in the middle of this image, contain peripherin, while the majority of neurons and their processes contain NF-L and not Peripherin. Interestingly, the periperin positive cells often contain a cytoplasmic inclusion next to the nucleus which stains for both Peripherin and NF-L, and so appears golden in this kind of image. The blue channel reveals the localization of DNA.