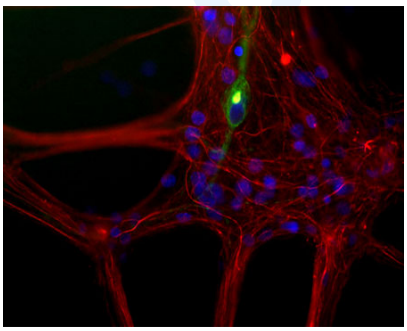
Rabbit polyclonal antibody to Neurofilament Light: Whole serum

Catalogue No.:	R-1392-50
Description:	Neurofilaments are composed of three intermediate filament proteins: light (~68 kDa), medium (~160 kDa) and heavy (~200 kDa), which are involved in the maintenance of the neuronal caliber. Neurofilament light (NF68 or NF-L) is the most abundant of the three proteins.
Batch No.:	See product label
Unit size:	50 µl
Antigen:	Purified porcine NF-L from spinal cord.
Antibody Type:	Antiserum
Other Names:	NF-L; NF68; NEFL; Neurofilament light polypeptide; NFL;
Accession:	P02547 NFL_PIG; P07196 NFL_HUMAN;
Produced in:	Rabbit
Applications:	Western Blotting (WB) and Immunocytochemistry (IC). A dilution of 1:10,000 - 1:20,000 is recommended for WB. A dilution of 1:500 - 1:1,000 is recommended for IC. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
Specificity:	Specifically recognizes the light neurofilament subunit NF-L (~70 kDa) in WB.
Antibody Against:	Neurofilament Light
Cross-reactivity:	Hu, Rat, Ms, Fel, Chk
Form:	Lyophilised
Appearance:	White powder
Reconstitution:	Reconstitute in 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



Mixed neuron/glia cultures from newborn rat brain stained with Mouse monoclonal antibody to Peripherin M-1400-500 (green) and Rabbit polyclonal antibody to Neurofilament Light 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

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