



Rabbit polyclonal antibody to Neurofilament Heavy, phosphorylated: Whole serum

Catalogue No.:	R-1388-50
Description:	Neurofilaments contain three intermediate filament proteins: light (68 kDa), medium (160 kDa) and heavy (200 kDa). Neurofilament heavy (NF200 or NF-H) is phosphorylated and it is thought that this results in the formation of interfilament cross bridges that are important in the maintenance of axonal caliber.
Batch No.:	See product label
Unit size:	50 uL
Antigen:	Purified bovine NF-H. Bovine intermediate filaments were prepared from spinal cords and the cytoskeletal material was dissolved in 6M urea. Individual neurofilament subunits were purified by ion exchange chromatography on DEAE cellulose followed by preparative gel electrophoresis.
Antibody Type:	Antiserum
Other Names:	NF-200; NF200; NF-H; NEFH; N52; Neurofilament heavy polypeptide; Neurofilament triplet H protein; 200 kDa neurofilament protein; KIAA0845; NFH;
Accession:	P12036 NFH_HUMAN;
Produced in:	Rabbit
Applications:	Western Blotting (WB), ELISA and Immunocytochemistry (IC). Suggested dilution for WB of 1:5,000-10,000. Suggested dilution for IC is 1:500-1,000. 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 reacts with phosphorylated NF-H and is seen as a band of approx 200 kDa.
Antibody Against:	Neurofilament Heavy, phosphorylated
Cross-reactivity:	Rat. Predicted to react with other mammals due to sequence homology.
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 -20C for a higher stability. Avoid freeze-thaw cycles.
Expiry Date:	12 months after purchase

FOR RESEARCH USE ONLY



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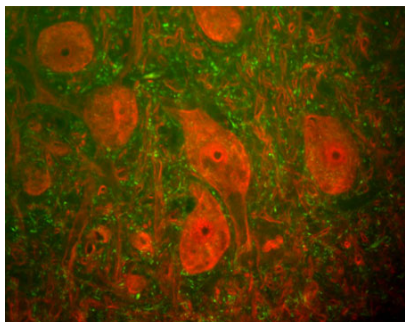


Image shows a section of rat spinal cord stained with Rabbit polyclonal antibody to Neurofilament Heavy, phosphorylated R-1388-50 (green) and Mouse monoclonal antibody to ubiquitin C-terminal hydrolase 1 M-1407-100 (red). The neurofilament NF-H antibody binds primarily to phosphorylated axonal forms of NF-H, and so stains axons coursing between the large UCHL1 positive neurons. These large cells are a-motoneurons and UCHL1 protein is a major component of the perikarya and dendrites of these cells.

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