

Anti-Neurofilament heavy polypeptide, phosphorylated, (pNF-H) Antibody (NAP4)



Product Details

Available Variants	50 µg (SKU:M-1387-50)
Conjugate	Unconjugated
Isotype	IgG1
Clone	NAP4
Host Species	Mouse
Format	IgG
Physical State	Lyophilized
Buffer	Lyophilized from PBS buffer pH 7.2-7.6 with 0.1% trehalose, and sodium azide
Production Notes	Protein G purified
Applications	Flow, ICC, IF, IHC, WB
Dilution Ranges	WB: 1:10000 ICC: 1:1000
Species Reactivity	Bovine, Chicken, Horse, Human, Mouse, Pig, Rat
Immunogen	This antibody has been made against a native axonal phosphorylated NF-H purified from bovine spinal cord.
Specificity	Species cross-reactivity includes human, rat, mouse, cow, pig, horse and chicken. This antibody recognizes phosphorylated NF-H KSP (lysine-serine-proline) type sequences. In some species there is some cross-reactivity with the related KSP sequences found in subunit NF-M. Predicted to react with other mammals due to sequence homology.
Storage	Spin vial briefly before opening. Reconstitute with 50 µL sterile-filtered, ultrapure water to achieve a 1 mg/mL concentration. Centrifuge to remove any insoluble material. Store lyophilized antibody at 2-8°C After reconstitution of lyophilized antibody, aliquot and store at -20°C for a higher stability. Avoid

freeze-thaw cycles. Store at 4°C for up to one month for short term storage and frequent use.

UniProt ID	F1MSQ6
Country of Origin	United States
Shipping	25°C (ambient)
Expiration	12 months after date of receipt (unopened vial).
Usage Statement	For research use only.

Product Images

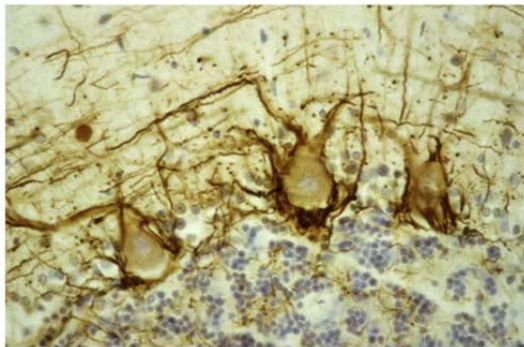
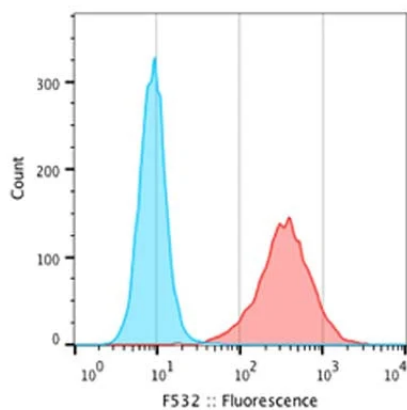
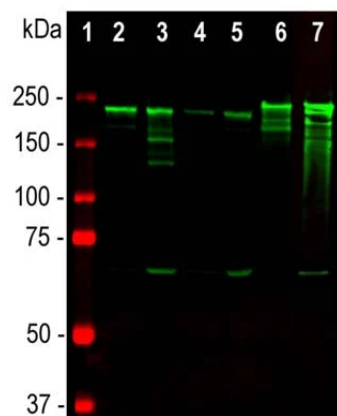


Image of a human cerebellar cortex section by **Immunohistochemistry**. The section was stained with M-1387-50, Neurofilament heavy polypeptide, phosphorylated (pNF-H), Clone NAP4, Mouse mAb (brown) and co-stained with heamatoxylin-eosin (blue). This antibody stains prominent basket cell axons surrounding the large Purkinje neurons. The granule cell layer is at the bottom of the image with the molecular layer at the top. IHC method: Section are fixed in formalin, embedded in paraffin using the ABC (avidin biotin conjugate).



Analysis by **flow cytometry** of Neurofilament heavy polypeptide, phosphorylated (pNF-H), (endogenous) expression in mouse neural progenitor cells differentiated from mES and fixed overnight in 70% ethanol (Red curve). PE-labelled goat anti-mouse IgG was used as secondary antibody. Negative control processed with secondary antibody only (Blue curve). Flow cytometry data and results were generated using Orflo MoxiflowTM instrument and protocols.



Analysis by **western blot** of pNF-H expression in tissue lysates with M-1387-50, Neurofilament heavy polypeptide, phosphorylated (pNF-H), Clone NAP4, Mouse mAb, (green, 1:10,000) with a strong band at approx 200-220kDa corresponding to the phosphorylated form of the NF-H subunit. A minor band is observed at 160kDa corresponding to the non-phosphorylated NF-H. Smaller proteolytic fragments of NF-H are also detected in spinal cord preparations. Lane 1: MWM; Lane 2: rat brain; Lane 3: rat spinal cord; Lane 4: mouse brain; Lane 5: mouse spinal cord; Lane 6: pig spinal cord; Lane 7: cow spinal cord.

Product Page URL: www.antibodiesinc.com/products/anti-neurofilament-heavy-polypeptide-phosphorylated-pnf-h-antibody-nap4-m-1387-50



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