

Anti-Neurofilament Heavy, phosphorylated and non-phosphorylated (pNF-H) Antibody



Product Details

Available Variants	50 µL (SKU:R-1389-50)
Conjugate	Unconjugated
Isotype	Mixed
Host Species	Rabbit
Format	Whole serum
Physical State	Lyophilized
Buffer	Lyophilized with sodium azide.
Applications	ICC, IF, WB
Dilution Ranges	WB: 1:5000-1:10000 ICC: 1:500-1:1000
Species Reactivity	Human, Rat
Immunogen	This antibody has been made against a rat NF-H construct containing most of the tandem KSP repeats expressed in and purified from E.coli.
Specificity	Species cross-reactivity includes human and rat. This antibody reacts with with phosphorylated NF-H at approx 200 kDa and non-phosphorylated NF-H at 160 kDa. Predicted to react with other mammals due to sequence homology.
Molecular Weight	160 kDa
Storage	Spin vial briefly before opening. Reconstitute with 50 µL sterile-filtered, ultrapure water. 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	<u>P12036</u>

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

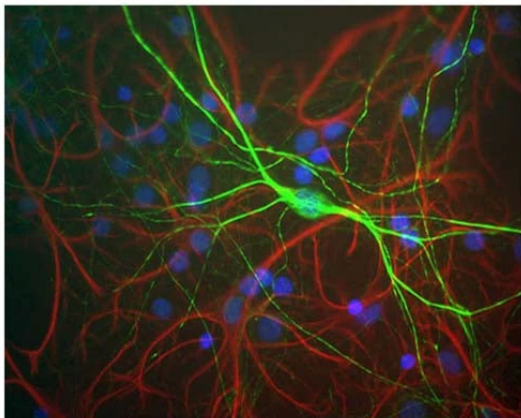


Image of mixed neuron and glial cultures stained by **Immunofluorescence and Immunocytochemistry**. The cultures were stained with R-1389-50, Neurofilament heavy polypeptide, phosphorylated and non-phosphorylated (pNF-H), Rabbit pAb (green), and co-stained with product C-1373-50, Glial Fibrillary Acidic Protein (GFAP), Chicken pAb, (red). The neurofilament NF-H antibody binds to phosphorylated axonal forms of NF-H and non-phosphorylated dendritic and perikaryal forms.

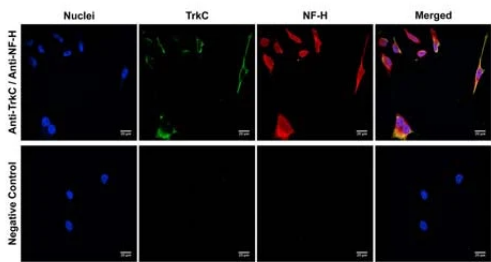


Image of membrane TrkC expression (green) in human HeLa cells by **Immunofluorescence and Immunocytochemistry**. Method: Fixed (4% formaldehyde) and blocked (10% normal horse serum) HeLa cells were incubated with product M-1837-100, Tyrosine Kinase Receptor C (TrkC), Clone BS337, Mouse mAb, (green, 2 µg/mL) for 1 hour. Cells were then permeabilized, blocked (10% horse serum, 0.1% Triton X-100) and incubated with product R-1389-50 (red, 1:500) for 1 hour. Primary antibody binding was visualized with secondary donkey anti-mouse-CF488A and donkey anti-rabbit-CF568 antibodies (2 µg/mL, 1 hour incubation). Cell nuclei were stained with DAPI (blue). Negative control staining was performed under identical conditions with isotype control mouse antibody and rabbit whole serum from an non-immunized animal. Confocal imaging settings were the same for antibody and control staining. Magnification: 60x. Specific staining is observed for TrkC in the cell membrane, while the NF-H antibody reveals intracellular filaments.

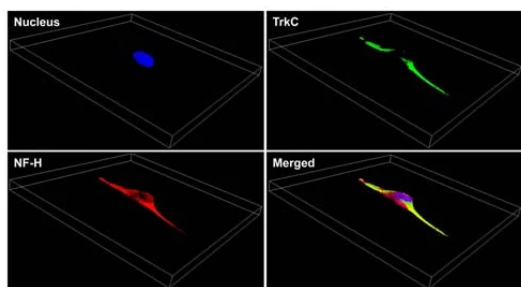


Image of of membrane TrkC expression (green) in human HeLa cells by **3D confocal imaging** . TrkC-IR is concentrated in the elongated protrusion away from the cell body, while intracellular NF-H expression (red) is observed throughout the cell. The blue is DAPI staining of nuclear DNA

Product Page URL: www.antibodiesinc.com/products/anti-neurofilament-heavy-phosphorylated-and-non-phosphorylated-pnf-h-antibody-r-1389-50



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