

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



Product Details

Available Variants	50 µL (SKU:C-1386-50)
Conjugate	Unconjugated
Isotype	IgY
Host Species	Chicken
Format	IgY preparation
Physical State	Lyophilized
Buffer	Lyophilized IgY preparation, with sodium azide.
Applications	ELISA, ICC, IF, IHC, WB
Dilution Ranges	WB: 1:20000-1:50000 IHC: 1:20000 ICC: 1:20000
Species Reactivity	Bovine, Canine, Horse, Human, Mouse, Pig, Rat
Immunogen	This antibody has been made against biochemically isolated NF-H purified from bovine spinal cord.
Specificity	Species cross-reactivity includes human, rat, mouse, cow, pig, horse and dog. This antibody reacts with phosphorylated NF-H and is seen as a band at approx 200 kDa in WB. Refer to publication by Shaw et al (2005) for the use of this antibody in an ELISA to detect NF-H. Predicted to react with other mammalian tissues due to sequence homology.
Molecular Weight	200 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	P12036
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

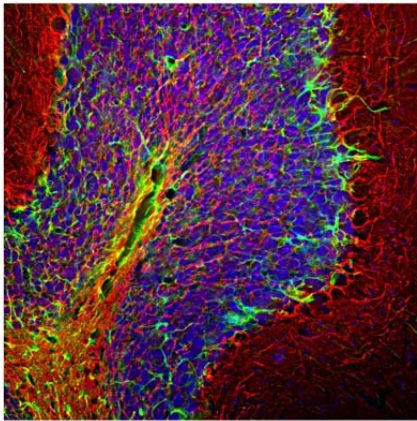
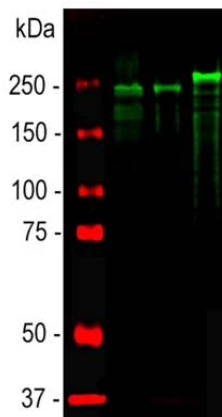


Image of a rat cerebellum section by **Immunofluorescence and Immunohistochemistry**. The section was stained with C-1386-50, Neurofilament heavy polypeptide, phosphorylated (pNF-H), Chicken pAb, (red, 1:5,000) and co-stained with product R-1374-50, Glial Fibrillary Acidic Protein (GFAP), Rabbit pAb (green). The blue is DAPI staining of nuclear DNA. Method: following transcardial perfusion with 4% paraformaldehyde, brain was post fixed for 24 hours, cut to 45 uM, and free floating sections were stained. The NF-H antibody labels network of axons of different neurons, while the GFAP antibody stains astrocytes.



Analysis by **western blot** of pNF-H expression in spinal cord lysates with C-1386-50, (green, 1:20,000) with strong bands at approx 200-220kDa corresponding to the phosphorylated form of NF-H. Lane 1: MWM; Lane 2: rat; Lane 3: mouse; Lane 4: cow. The protein from different species is known to have different SDS-PAGE molecular weights, with large species generally expressing larger proteins. Smaller proteolytic fragments of NF-H are also detected in spinal cord preparations with this antibody. The antibody does not recognize non-phosphorylated forms of NF-H.



