

Nur für Forschungszwecke

NF-H/NF200 Monoklonaler Antikörper



Katalog-Nr.: 60331-1-Ig **7 Publikationen**

Allgemeine Informationen

| | | |
|---|--|---|
| Katalog-Nr.: 60331-1-Ig | GenBank-Zugangsnummer: BC014185 | Reinigungsmethode: Protein-A-Reinigung |
| Größe: 150ul, Konzentration: 1600 µg/ml von 4744 Nanodrop und 1500 µg/ml durch die Bradford-Methode mit BSA als Standard; | GeneID (NCBI): 4744 | CloneNo.: 1A3C7 |
| Wirt: Maus | Vollständiger Name: neurofilament, heavy polypeptide | Empfohlene Verdünnungen: WB 1:5000-1:50000 IHC 1:4000-1:16000 IF 1:20-1:200 |
| Isotyp: IgG2a | Berechnete Masse: 112 kDa | |
| Immunogen Katalognummer: AG13517 | Beobachtete Masse: 200 kDa | |

Anwendungen

| | |
|---|---|
| Geprüfte Anwendungen: FC, IF, IHC, WB, ELISA | Positivkontrollen: WB : Hausschwein-Cerebellum-Gewebe, Maushirngewebe, Rattenhirngewebe IHC : Ratten-Cerebellum-Gewebe, IF : SH-SY5Y-Zellen, Rattenhirngewebe |
| In Publikationen genannte Anwendungen: IF, IHC | |
| Getestete Reaktivität: Hausschwein, Human, Maus, Ratte | |
| Zitierte Arten: Maus, Ratte | |
| Hinweis-IHC: Antigenmaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigenmaskierung auch mit Citratpuffer pH 6,0 erfolgen. | |

Hintergrundinformationen

NEFH, also named as KIAA0845 and NFH, belongs to the intermediate filament family. It has an important function in mature axons that is not subserved by the two smaller NF proteins. Neurofilaments are the 10nm intermediate filaments found specifically in neurons. They are a major component of the cell's cytoskeleton, and provide support for normal axonal radial growth. Neurofilaments usually contain three intermediate filament proteins: L, M, and H which are involved in the maintenance of neuronal caliber. The names given to the three major neurofilament subunits are based upon the apparent molecular weight of the mammalian subunits on SDS-PAGE: NF-L, 65-68 kDa; NF-M, 145-160 kDa and NF-H, 200-220 kDa. This antibody recognizes NEFH only.

Bemerkenswerte Veröffentlichungen

| Verfasser | Pubmed ID | Journal | Anwendung |
|--------------|-----------|---------------------|-----------|
| Shishi Shen | 36288210 | ACS Nano | IF |
| Huangao Zhou | 32474063 | J Chem Neuroanat | IHC |
| Zi-Jie Rong | 35602557 | Front Cell Neurosci | IHC |

Lagerung

Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
Aliquotieren ist nicht notwendig bei -20°C Lagerung

***** 20ul-Größen enthalten 0.1% BSA**

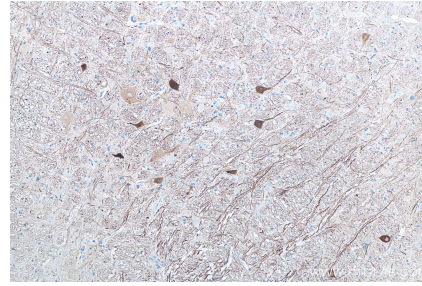
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

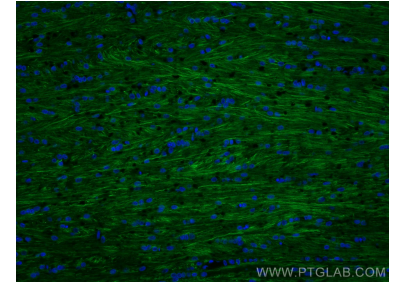
Ausgewählte Validierungsdaten



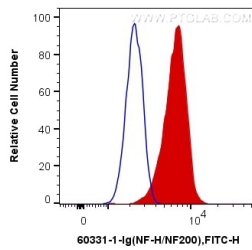
pig cerebellum tissue were subjected to SDS PAGE followed by western blot with 60331-1-Ig (NF-H antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



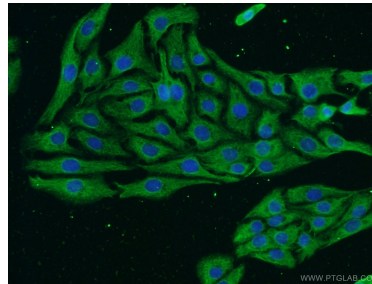
Immunohistochemical analysis of paraffin-embedded rat cerebellum tissue slide using 60331-1-Ig (NF-H antibody) at dilution of 1:8000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed rat brain tissue using NF-H/NF200 antibody (60331-1-Ig, Clone: 1A3C7) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



1X10⁶ SH-SY5Y cells were intracellularly stained with 0.2 ug Anti-Human NF-H/NF200 (60331-1-Ig, Clone:1A3C7) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.2 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunofluorescent analysis of SH-SY5Y cells using 60331-1-Ig (NF200 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG (H+L).