À des fins de recherche uniquement

# Anticorps Monoclonal anti-NF-H/NF200

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Antibodies | ELISA kits | Proteins
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Numéro de catalogue:60331-1-Ig 11 Publications

## Informations de base

Numéro de catalogue:
60331-1-Ig

Taille:
150ul , Concentration: 1600 μg/ml by Nanodrop and 1500 μg/ml by Bradford method using BSA as the standard;

Hôte:
Mouse

Isotype:
IgG2a

Immunogen Catalog Number:
AG13517

Numéro d'acquisition GenBank:
BC014185

Identification du gène (NCBI):
4744

Nom complet:
neurofilament, heavy polypeptide

MW calculé
112 kDa

MW observés:
200 kDa

Méthode de purification:
Purification par protéine A

CloneNo.:
1A3C7

Dilutions recommandées:
WB 1:5000-1:50000
IHC 1:4000-1:16000
IF 1:20-1:200

## Applications

Applications testées:
FC, IF, IHC, WB, ELISA

Demandes citées:
IF, IHC

Spécificité de l'espèce:
Humain, porc, rat, souris

Espèces citées:
Humain, rat, souris

***Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9.0; (*) À défaut, 'le démasquage de l'antigène peut être 'effectué avec un tampon citrate pH 6,0.***

Contrôles positifs:

WB : tissu de cervelet de porc, tissu cérébral de rat, tissu cérébral de souris

IHC : tissu de cervelet de rat,

IF : cellules SH-SY5Y, tissu cérébral de rat

## Informations générales

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 recognize NEFH only.

## Publications notables

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

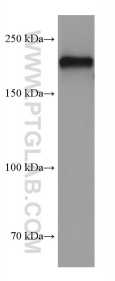
## Stockage

Stockage:
Stocker à -20°C. Stable pendant un an après l'expédition.
Tampon de stockage:
PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3
L'aliquotage n'est pas nécessaire pour le stockage à -20C

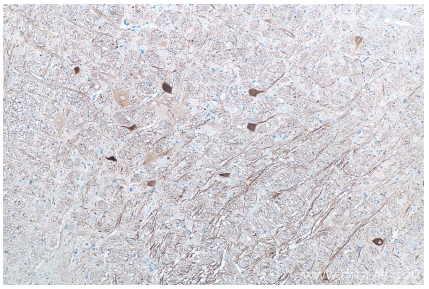
***** Les 20ul contiennent 0,1% de BSA.**

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

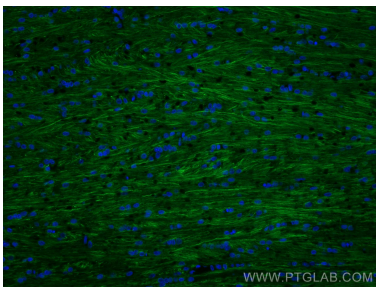
## Données de validation sélectionnées



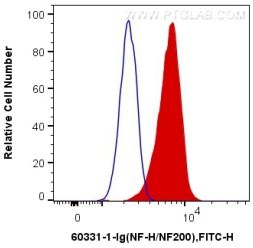

pig cerebellum tissue were subjected to SDS PAGE followed by western blot with 60331-1-Ig (NF-H antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



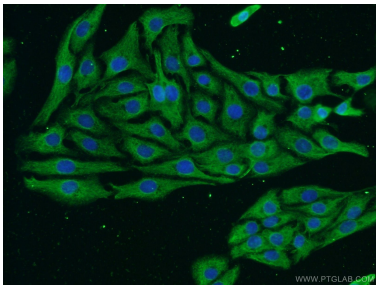
Immunohistochemical analysis of paraffin-embedded rat cerebellum tissue slide using 60331-1-Ig (NF-H antibody) at dilution of 1:8000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).




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).




1X10^6 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).