

## Allgemeine Informationen

<b>Katalog-Nr.:</b> 25805-1-AP	<b>GenBank-Zugangsnummer:</b> BC002421	<b>Reinigungsmethode:</b> Antigen-Affinitätsreinigung
<b>Größe:</b> 150ul, Konzentration: 260 µg/ml von Nanodrop und 213 µg/ml durch die Bradford-Methode mit BSA als Standard;	<b>GeneID (NCBI):</b> 4741	<b>Empfohlene Verdünnungen:</b> WB 1:2000-1:10000 IHC 1:50-1:500 IF 1:50-1:500
<b>Wirt:</b> Kaninchen	<b>Vollständiger Name:</b> neurofilament, medium polypeptide	
<b>Isotyp:</b> IgG	<b>Berechnete Masse:</b> 102 kDa	
<b>Immunogen Katalognummer:</b> AG22709	<b>Beobachtete Masse:</b> 140 kDa	

## Anwendungen

<b>Geprüfte Anwendungen:</b> FC, IF, IHC, WB, ELISA	<b>Positivkontrollen:</b>
<b>In Publikationen genannte Anwendungen:</b> IF, IHC, WB	<b>WB:</b> Maushirngewebe, Rattenhirngewebe
<b>Getestete Reaktivität:</b> Human, Maus, Ratte	<b>IHC:</b> Maus-Cerebellum-Gewebe, humanes Hirngewebe, humanes Kolongewebe, Maushirngewebe
<b>Zitierte Arten:</b> Human, Hund, Maus, Ratte	<b>IF:</b> Maushirngewebe,
<b>Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.</b>	

## Hintergrundinformationen

NEFM, also named as NEF3 and NFM, belongs to the intermediate filament family. 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 endogenous NF-M protein.

## Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Natasha L Pacheco	29090078	Mol Autism	WB
Dong Sun	31642560	Cell Biol Int	WB
Jipeng Jiang	33026366	Biomater Sci	IF

## Lagerung

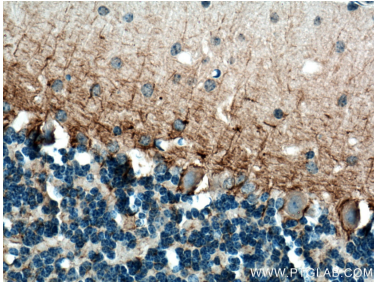
**Lagerungsbedingungen:**  
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil  
**Lagerungspuffer:**  
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.  
 Aliquotieren ist nicht notwendig bei -20°C Lagerung

\*\*\* 20ul-Größen enthalten 0.1% BSA

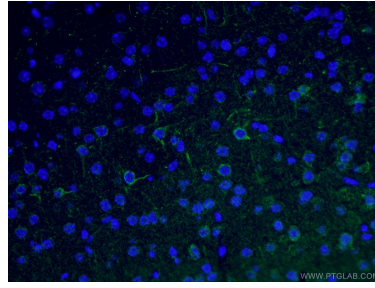
For technical support and original validation data for this product please contact:  
 T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
 E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
 W: [ptglab.com](http://ptglab.com)

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

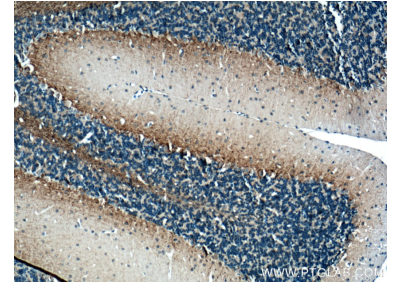
## Ausgewählte Validierungsdaten



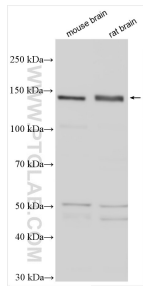
Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue slide using 25805-1-AP (NF-M antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0)).



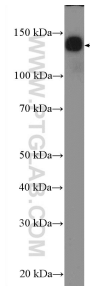
Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using 25805-1-AP (NF-M antibody) at dilution of 1:50 and Alexa Fluor 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



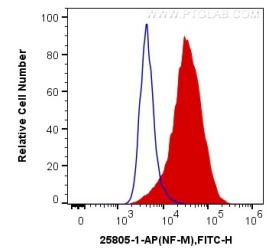
Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue slide using 25805-1-AP (NF-M antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0)).



Various lysates were subjected to SDS PAGE followed by western blot with 25805-1-AP (NF-M antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



mouse brain tissue were subjected to SDS PAGE followed by western blot with 25805-1-AP (NEFM Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



$1 \times 10^6$  PC-12 cells were intracellularly stained with 0.4 ug Anti-Human NF-M (25805-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).