

NF-L Polyclonal Antibody

Catalog number: 12998-1-AP

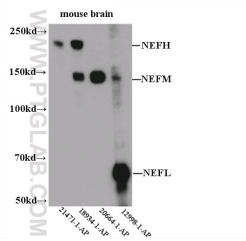
Size: 65 µg/150 µl

Source: Rabbit

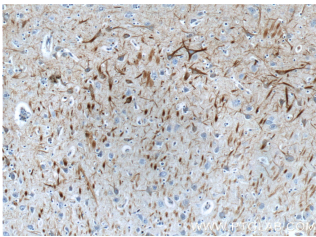
Isotype: IgG

Synonyms:

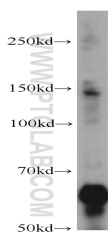
NEFL; 68 kDa neurofilament protein, CMT1F, CMT2E, FLJ53642, NEFL, NF L, NF68, NFL



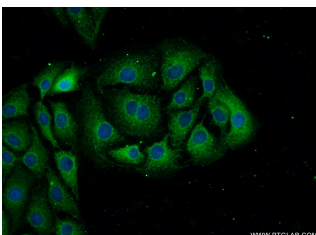
WB result of 12998-1-AP.



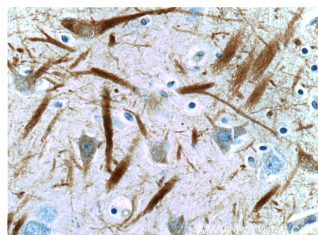
Immunohistochemistry of paraffin-embedded human brain tissue slide using 12998-1-AP (NEFL Antibody) at dilution of 1:200 (under 10x lens)



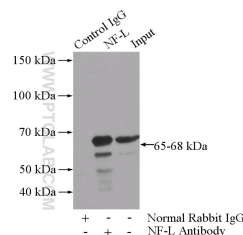
mouse brain tissue were subjected to SDS PAGE followed by western blot with 12998-1-AP (NEFL antibody) at dilution of 1:4000



Immunofluorescent analysis of SH-SY5Y cells using 12998-



Immunohistochemistry of paraffin-embedded human



IP Result of anti-NEFL (IP:12998-1-AP, 4ug;

Background

NEFL, also named as NF68 and NFL, 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, 65-68kd; NF-M, 145-160kd and NF-H, 200-220kd. This antibody is specific to NEFL. It has a very weak reaction to NEFM.

Applications

Tested applications:	ELISA, WB, IP, IHC, IF
Cited applications:	WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Rat
Calculated NF-L MW:	543aa, 62 kDa
Observed NF-L MW:	65-68kd, 140-160kd
Positive WB detected in	Mouse brain tissue
Positive IP detected in	Mouse brain tissue
Positive IHC detected in	Human brain tissue
Positive IF detected in	SH-SY5Y cells
Recommended dilution:	WB: 1:1000-1:10000 IP: 1:500-1:5000 IHC: 1:20-1:200 IF: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag3667
GenBank accession number:	BC039237
Gene ID (NCBI):	4747
Full name:	Neurofilament, light polypeptide

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Store at -20°C.

1-AP(NEFL Antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)	brain tissue slide using 12998-1-AP(NEFL Antibody) at dilution of 1:200 (under 40x lens)	Detection:12998-1-AP 1:1000) with mouse brain tissue lysate 4000ug.
---	--	--