For Research Use Only

NF-M-Specific Polyclonal antibody

Catalog Number:20664-1-AP <u>3 Publications</u>

tions

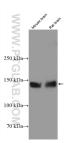


Basic Information	Catalog Number: 20664-1-AP	GenBank Accession Number: NM_005382	Purification Method: Antigen affinity purification	
	Size: 150ul , Concentration: 700 ug/ml by Nanodrop and 347 ug/ml by Bradford method using BSA as the standard;	GenelD (NCBI): 4741	Recommended Dilutions: WB: 1:500-1:3000 IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate	
	Source: Rabbit Isotype: IgG	Full Name: neurofilament, medium polypeptide Calculated MW: 102 kDa	IHC: 1:50-1:500 IF/ICC: 1:50-1:500 ⁵ FC (Intra): 0.40 ug per 10 [^] 6 cells in a 100 μl suspension	
				Observed MW: 140-160 kDa
		Applications	Tested Applications: WB, IHC, IF/ICC, FC (Intra), IP, ELISA	Positive Controls:
Cited Applications: tissue			brain tissue, rat brain tissue, human braiı	
WB	IP : rat brai		n tissue,	
Species Specificity: human, mouse, rat	IHC : huma		n brain tissue, rat brain tissue	
Cited Species:	IF/ICC : SH		-SY5Y cells,	
human, mouse	FC (Intra) :		PC-12 cells,	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0				
Background Information	buffer pH 6.0 NEFM, also named as NEF3 and NFM, intermediate filaments found specific provide support for normal axonal rac proteins: L, M, and H which are involve	belongs to the intermediate filame cally in neurons. They are a major o dial growth. Neurofilaments usually ed in the maintenance of neuronal on the apparent molecular weight o	f the mammalian subunits on SDS-PAGE:	
	buffer pH 6.0 NEFM, also named as NEF3 and NFM, intermediate filaments found specific provide support for normal axonal rac proteins: L, M, and H which are involve neurofilament subunits are based upo NF-L, 65-68 kDa; NF-M,145-160 kDa a	belongs to the intermediate filame cally in neurons. They are a major o dial growth. Neurofilaments usually ed in the maintenance of neuronal on the apparent molecular weight o	omponent of the cell's cytoskeleton, and a contain three intermediate filament caliber. The names given to the three major f the mammalian subunits on SDS-PAGE:	
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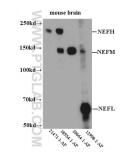
For technical support and original validation data for this product please contact:T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA)E: proteintech@ptglab.comW: ptglab.com

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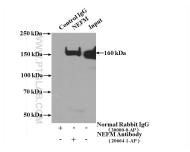
Selected Validation Data



mouse brain and rat brain tissues were subjected to SDS PAGE followed by western blot with 20664-1-AP (NF-M-Specific antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



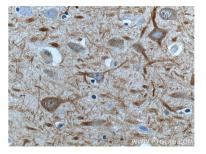
WB result of 20664-1-AP.



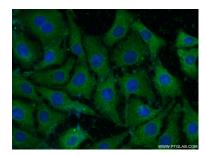
IP result of anti-NF-M-Specific (IP:20664-1-AP, 4ug; Detection:20664-1-AP 1:1000) with rat brain tissue lysate 4000ug.



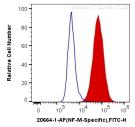
Immunohistochemical analysis of paraffinembedded human brain tissue slide using 20664-1-AP (NF-M-Specific antibody at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffinembedded human brain tissue slide using 20664-1-AP (NF-M-Specific antibody at dilution of 1:200 (under 40x lens).



Immunofluorescent analysis of (-20°C Ethanol) fixed SH-SY5Y cells using 20664-1-AP (NF-M-Specific antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L).



1X10^6 PC-12 cells were intracellularly stained with 0.4 ug Anti-Human NF-M-Specific (20664-1-AP) and CoraLite®488-Conjugated Goat Anti-Rabbit lgG(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).