For Research Use Only

NF-L Monoclonal antibody

Catalog Number:60189-1-lg 4 Publications

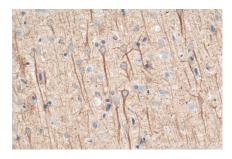


Basic Information	Catalog Number: 60189-1-lg	GenBank Accession Number: BC039237		Purification Method: Protein G purification		
	Size:	GeneID (NCBI):		CloneNo.:		
	150ul , Concentration: 1435 ug/ml by Nanodrop;			5C12G4		
		UNIPROT ID: P07196 Full Name: neurofilament, light polypeptide Calculated MW: 543 aa, 62 kDa		Recommended Dilutions: WB 1:20000-1:100000 IHC 1:250-1:1000 IF-P 1:50-1:500		
	Source:					
	Mouse					
	Isotype: IgG1 Immunogen Catalog Number: AG15178					
					Observed MW:	
		65 kDa				
		Applications	Tested Applications:		Positive Controls:	
WB, IHC, IF-P, FC (Intra), ELISA			WB : PC-12 cells, human brain tissue, pig brain tissu		e, pig brain tissue	
Cited Applications:			rat brain tissu	orain tissue, mouse brain tissue : rat brain tissue, human brain tissue, mouse brai		
WB, IF, FC (Intra)			IHC : rat brain			
Species Specificity: human, mouse, rat, pig			tissue			
Cited Species:			IF-P : mouse brain tissue, rat brain tissue			
human, mouse, rat	EC (Intra) · P			C-12 cells,		
retrieval may be performed w buffer pH 6.0	ith citrate					
Background Information	NEFL, also named as NF68 and NF-L, intermediate filaments found specifi provide support for normal axonal ra proteins: L, M, and H, which are involv neurofilament subunits are based up NF-L, 65-68 kDa; NF-M,145-160 kDa a	cally in neurons. They an dial growth. Neurofilamov ved in the maintenance of on the apparent molecul	re a major cor ents usually c of neuronal ca ar weight of t	nponent of the cell's cy ontain three intermedi liber. The names giver he mammalian subuni	toskeleton, and ate filament ato the three maj	
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Notable Publications	intermediate filaments found specifi provide support for normal axonal ra proteins: L, M, and H, which are involv- neurofilament subunits are based up NF-L, 65-68 kDa; NF-M,145-160 kDa a Author Pube Jing Duan 3938 Ying Zhou 3894 Rui Yang 3870 Storage: Store at -20°C. Stable for one year aff Storage Buffer:	cally in neurons. They and dial growth. Neurofilamoved in the maintenance of on the apparent molecul nd NF-H, 200-220 kDa. The ned ID Journal 35200 J Neuroir 30834 ACS Nan 31940 J Stroke of the shipment.	re a major cor ents usually c of neuronal ca ar weight of t nis antibody is nflammation	nponent of the cell's cy ontain three intermedi liber. The names giver he mammalian subuni s specific to NEFL	toskeleton, and ate filament n to the three maj ts on SDS-PAGE: Application FC (Intra) WB,IF	

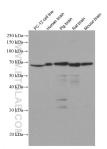
For technical support and original validation data for this product please contact:T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
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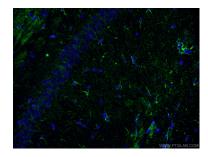
Selected Validation Data



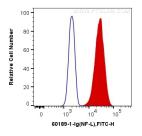
Immunohistochemical analysis of paraffinembedded rat brain tissue slide using 60189-1-lg (NF-L antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Various lysates were subjected to SDS PAGE followed by western blot with 60189-1-lg (NF-L antibody) at dilution of 1:100000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using 60189-1-1g (NF-L antibody) at dilution of 1:50 and Alexa Fluor 488conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



1X10^6 PC-12 cells were intracellularly stained with 0.4 ug Anti-Human NF-L (60189-1-1g, Clone:5C12G4) and Coralite®488-Conjugated AffiniPure Goat Anti-Mouse 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).

