

Basic Information

Product Name	Anti-NF-H/NF200/NEFH Antibody (Clone#N52)	
Gene Name	NEFH	
Source	Mouse	
Clonality	Monoclonal	
Isotype	IgG1	
Species Reactivity	human, mouse, rat	
Tested Application	WB, IHC	
Contents	200ug/ml antibody with PBS , 0.02% NaN ₃ , 1mg BSA and 50% glycerol.	
Immunogen	C-terminal segment of enzymatically dephosphorylated pig Neurofilament 200.	
Concentration	200ug/ml	
Purification	Ascites	
Observed MW	117-220 kDa	
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-400 (Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.	

Storage

12 months from date of receipt, -20°C as supplied. 6 months 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.

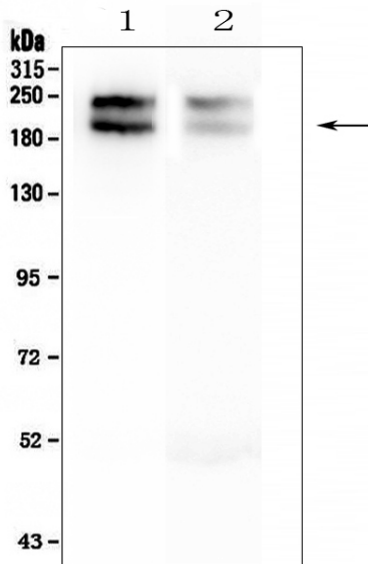
Background Information

Neurofilaments are composed of 3 neuron-specific proteins with apparent molecular masses of 68 kD(NFL), 125 kD(NFM), and 200 kD(NFH) on SDS-gel electrophoresis. Genomic clones for the largest human neurofilament protein(NF-H) were isolated, the intron/exon boundaries mapped and the entire protein-coding regions(exons) sequenced. mutations in neurofilaments have been linked to some forms of Charcot-Marie-Tooth disease(CMT).

Reference

Anti-NF-H/NF200/NEFH Antibody (Clone#N52)被引用在44文献中。

Selected Validation Data

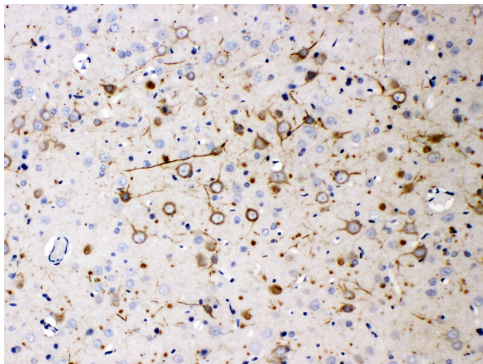


Western blot analysis of anti- NEFH antibody (BM0100). The sample well of each lane was loaded with 50ug of sample under reducing conditions.

Lane 1: rat brain tissue lysates,

Lane 2: mouse brain tissue lysates.

Use mouse anti- NEFH 1:1000, probed with a goat anti-mouse IgG-HRP secondary antibody. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1001). A specific band was detected for NEFH at approximately 200KD. The expected band size for NEFH is at 112KD.



IHC analysis using anti- NEFH antibody (BM0100). detected in paraffin-embedded section of rat brain tissue. Biotinylated goat anti-mouse IgG was used as secondary antibody. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) (Catalog # SA1021) with DAB as the chromogen.