

## Basic Information

<b>Product Name</b>	Anti-NF-H/NF200/NEFH Antibody (Clone#N52)	
<b>Gene Name</b>	NEFH	
<b>Source</b>	Mouse	
<b>Isotype</b>	IgG1	
<b>Species Reactivity</b>	human, mouse, rat	
<b>Tested Application</b>	WB, IHC, IHC-F	
<b>Contents</b>	200ug/ml antibody with PBS , 0.02% NaN <sub>3</sub> , 1mg BSA and 50% glycerol.	
<b>Immunogen</b>	C-terminal segment of enzymatically dephosphorylated pig Neurofilament 200.	
<b>concentration</b>	200ug/ml	
<b>Purification</b>	Ascites	
<b>Observed MW</b>	117-220KD	
<b>Dilution Ratios</b>	Western blot(WB): 1:500-2000 Immunohistochemistry in frozen section: 1:50-400 Immunohistochemistry in paraffin section (IHC): 1:50-200 (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21文献中。

## Selected Validation Data

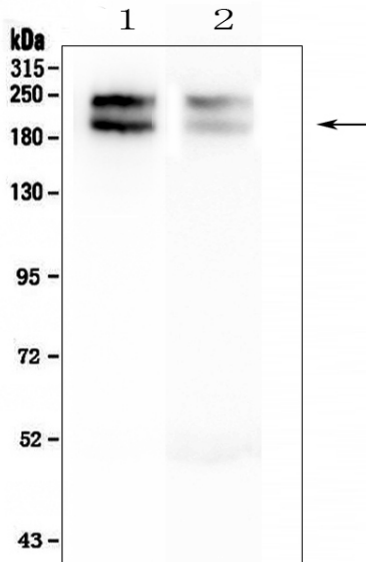


Figure 1. Western blot analysis of anti- NEFH antibody (BM0100). The sample well of each lane was loaded with 50ug of sample under reducing conditions.  
Lane 1: rat brain tissue lysates,  
Lane 2: mouse brain tissue lysates.  
Use mouse anti- NEFH 1:1000, probed with a goat anti-mouse IgG- HRP secondary 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.

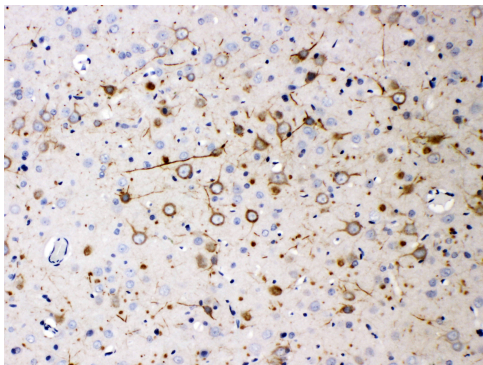


Figure 2. IHC analysis using anti- NEFH antibody (BM0100). detected in paraffin-embedded section of rat brain tissue. Biotinylated goat anti-mouse IgG was used as secondary antibody. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) (Catalog # SA1021) with DAB as the chromogen.