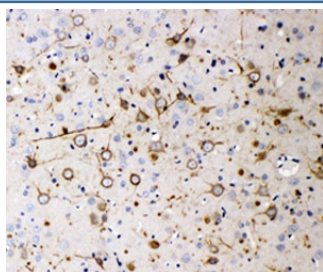


## Neurofilament 200 Antibody (Heavy) [clone N52] (R30062)

Catalog No.	Formulation	Size
R30062	0.5mg/ml with 1% BSA and 0.01% sodium azide if reconstituted with 0.2ml sterile 1X PBS	100 ug

[Bulk quote request](#)

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Format</b>	Ascites
<b>Clonality</b>	Monoclonal (mouse origin)
<b>Isotype</b>	Mouse IgG1
<b>Clone Name</b>	N52
<b>Purity</b>	Ascites
<b>Gene ID</b>	4744
<b>Localization</b>	Cytoplasmic, membranous
<b>Applications</b>	Western Blot : 0.5ml IHC (FFPE) : 1-2ug/ml IHC (Frozen) : 1-2ug/ml; formalin or acetone fixed tissues
<b>Limitations</b>	This Neurofilament 200 antibody is available for research use only.



IHC-P: Neurofilament 200 antibody testing of rat brain tissue. HIER: steamed with pH6 citrate buffer.

## Description

Neurofilaments are composed of 3 neuron-specific proteins with apparent molecular masses of 68kD (NFL), 125kD (NFM), and 200kD (NFH) on SDS-gel electrophoresis. It is thought that phosphorylation of NFH results in the formation of interfilament cross bridges that are important in the maintenance of axonal caliber. Genomic clones for the largest human neurofilament protein 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).

## **Application Notes**

Titration of the Neurofilament 200 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## **Immunogen**

C-terminal segment of enzymatically dephosphorylated pig Neurofilament 200 was used as the immunogen for this Neurofilament 200 antibody.

## **Storage**

Aliquot and store the Neurofilament 200 antibody at -20oC. Avoid repeated freezing and thawing.