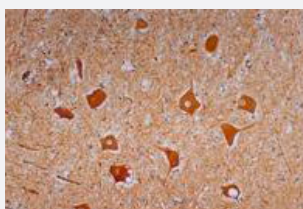


# Neurofilament heavy protein monoclonal antibody, clone NF-01

Catalog # MAB3638

Size 100 ug

## Applications



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry staining of human cerebellum (paraffin-embedded sections) with Neurofilament heavy protein monoclonal antibody, clone NF-01 (Cat # MAB3638).

## Specification

<b>Product Description</b>	Mouse monoclonal antibody raised against native Neurofilament heavy protein.
<b>Immunogen</b>	Native purified porcine Neurofilament heavy protein.
<b>Host</b>	Mouse
<b>Theoretical MW (kDa)</b>	210
<b>Reactivity</b>	Mammals, Pig
<b>Specificity</b>	This antibody recognizes a phosphorylated epitope on heavy neurofilament protein (210 KDa) of various species. Antibodies to the various neurofilament subunits are very useful cell type markers since the proteins are among the most abundant of the nervous system, are expressed only in neurons and are biochemically very stable.
<b>Form</b>	Liquid
<b>Isotype</b>	IgG1
<b>Recommend Usage</b>	The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In PBS, pH 7.4 (0.09% sodium azide)

**Storage Instruction**

Store at 4°C. Do not freeze.  
Aliquot to avoid repeated freezing and thawing.

**Note**

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot
- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)  
Immunohistochemistry staining of human cerebellum (paraffin-embedded sections) with Neurofilament heavy protein monoclonal antibody, clone NF-01 (Cat # MAB3638).
- Immunocytochemistry

## Publication Reference

- [A systematic review and meta-analysis of CSF neurofilament protein levels as biomarkers in dementia.](#)  
Petzold A, Keir G, Warren J, Fox N, Rossor MN.  
Neuro-Degenerative Diseases 2007 Jun; 4(2-3):185.  
Application: ELISA, Human, Cerebrospinal fluid from patients with neurodegenerative dementias
- [Plasma neurofilament heavy chain levels in Huntington's disease.](#)  
Wild EJ, Petzold A, Keir G, Tabrizi SJ.  
Neuroscience Letters 2007 May; 417(3):231.
- [Expression of phosphorylated high molecular weight neurofilament protein \(NF-H\) and vimentin in human developing dorsal root ganglia and spinal cord.](#)  
Lukas Z, Draber P, Bucek J, Draberoval E, Viklicky V, Dolezel S.  
Histochemistry 1993 Dec; 100(6):495.  
Application: IF, IHC-Fr, WB-Ce, Human, Dorsal root ganglia, Spinal cords, U-1285 cells