

Neurofilament H

Cat.No. 171 104; Polyclonal Guinea pig antibody, 100 µl antiserum (lyophilized)

Data Sheet

Reconstitution/ Storage	100 µl antiserum, lyophilized. For reconstitution add 100 µl H ₂ O, then aliquot and store at -20°C until use.
Applications	WB: not recommended IP: not tested yet ICC: 1 : 500 IHC: 1 : 500 IHC-P/FFPE: 1 : 500
Immunogen	Recombinant protein corresponding to AA 998 to 1097 from mouse Neurofilament H (UniProt Id: P19246)
Reactivity	Reacts with: rat (P16884), mouse (P19246). Other species not tested yet.
Specificity	Specific for neurofilament H.

TO BE USED IN VITRO / FOR RESEARCH ONLY

NOT TOXIC, NOT HAZARDOUS, NOT INFECTIOUS, NOT CONTAGIOUS

Neurofilaments are exclusively expressed in nerve cells and are the major structural component of large-diameter myelinated axons. They are predominately composed of three proteins, Neurofilament H, L and M and are among the most highly phosphorylated neuronal proteins.

Selected References SYSY Antibodies

Impaired Neurofilament Integrity and Neuronal Morphology in Different Models of Focal Cerebral Ischemia and Human Stroke Tissue.

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The Kohlschütter-Tönnz syndrome associated gene Rogdi encodes a novel presynaptic protein.

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Scientific reports (2017) 7(1): 15791. **ICC; tested species: rat**

Selected General References

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Regulation between O-GlcNAcylation and phosphorylation of neurofilament-M and their dysregulation in Alzheimer disease.

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CSF neurofilament proteins in the differential diagnosis of dementia.

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The Journal of comparative neurology (1996) 376(1): 112-27.

Differential dynamics of neurofilament-H protein and neurofilament-L protein in neurons.

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Neurofilament immunoreactivity in myenteric neurons differs from that found in the central nervous system.

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Gastroenterology (1990) 99(5): 1364-71.

Intermediate filaments in nervous tissues.

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