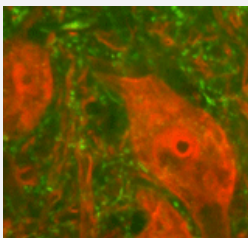


Nefh polyclonal antibody

Catalog # PAB12117 Size 50 uL

Applications



Immunofluorescence

Section of rat spinal cord stained with Nefh polyclonal antibody (Cat # PAB12117) (green) and monoclonal antibody to ubiquitin C-terminal hydrolase 1. The Nefh antibody binds primarily to phosphorylated axonal forms of NF-H, and so stains axons coursing between the large UCHL1 positive neurons. These large cells are a-motorneurons and UCHL1 protein is a major component of the perikarya and dendrites of these cells.

Specification

Product Description	Rabbit polyclonal antibody raised against partial recombinant Nefh.
Immunogen	Recombinant protein corresponding to C-terminus of rat Nefh.
Host	Rabbit
Theoretical MW (kDa)	180-220
Reactivity	Human, Mammals, Mouse, Primates, Rat
Specificity	This antibody specifically recognizes the heavy microfilament subunit (~180-220 KDa).
Form	Liquid
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Recommend Usage	The optimal working dilution should be determined by the end user.
Storage Buffer	In antiserum (0.05% sodium azide)
Storage Instruction	Store at 4°C for short term. For long term storage store at -20°C. 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 (Frozen sections)
- Immunofluorescence

Section of rat spinal cord stained with Nefh polyclonal antibody (Cat # PAB12117) (green) and monoclonal antibody to ubiquitin C-terminal hydrolase 1. The Nefh antibody binds primarily to phosphorylated axonal forms of NF-H, and so stains axons coursing between the large UCHL1 positive neurons. These large cells are a-motorneurons and UCHL1 protein is a major component of the perikarya and dendrites of these cells.

Gene Info — Nefh

Entrez GeneID [24587](#)

Gene Name Nefh

Gene Alias Nfh

Gene Description neurofilament, heavy polypeptide

Gene Ontology [Hyperlink](#)

Gene Summary O

Other Designations -

Publication Reference

- [Human immunodeficiency virus \(HIV\)-induced neurotoxicity: roles for the NMDA receptor subtypes.](#)

O'Donnell LA, Agrawal A, Jordan-Sciutto KL, Dichter MA, Lynch DR, Kolson DL.

The Journal of Neuroscience 2006 Jan; 26(3):981.

Application: WB, Rat, Hippocampal neurons

- [A molecular dissection of the carboxyterminal tails of the major neurofilament subunits NF-M and NF-H.](#)

Harris J, Ayyub C, Shaw G.

Journal of Neuroscience Research 1991 Sep; 30(1):47.