

PRPH Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP5525b**Specification**

PRPH Antibody (C-term) Blocking peptide - Product Information

Primary Accession [P41219](#)
Other Accession [NP_006253.2](#)

PRPH Antibody (C-term) Blocking peptide - Additional Information

Gene ID 5630

Other Names

Peripherin, Neurofilament 4, PRPH, NEF4, PRPH1

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

PRPH Antibody (C-term) Blocking peptide - Protein Information

Name PRPH

Synonyms NEF4, PRPH1

Function

Class-III neuronal intermediate filament protein (By similarity). May form an independent structural network without the involvement of other neurofilaments or may cooperate with the neuronal intermediate filament proteins NEFL, NEFH, NEFM and INA to form a filamentous network (PubMed:15446584, PubMed:15322088). Assembly of the neuronal intermediate filaments may be regulated by RAB7A (By similarity). Plays a role in the development of unmyelinated sensory neurons (By similarity). May be involved in axon elongation and axon regeneration after injury (By similarity). Inhibits neurite extension in type II spiral ganglion neurons in the cochlea (By similarity).

Cellular Location

Cytoplasm, cytoskeleton. Cell projection, axon {ECO:0000250|UniProtKB:P15331}. Perikaryon {ECO:0000250|UniProtKB:P15331}

Tissue Location

Expressed in the neurons of the outer hair cells in the organ of Corti and to a lesser extent in type I spiral ganglion cells.

PRPH Antibody (C-term) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

PRPH Antibody (C-term) Blocking peptide - Images

PRPH Antibody (C-term) Blocking peptide - Background

This gene encodes a cytoskeletal protein found in neurons of the peripheral nervous system. The encoded protein is a type III intermediate filament protein with homology to other cytoskeletal proteins such as desmin, and is a different protein than the peripherin found in photoreceptors.

PRPH Antibody (C-term) Blocking peptide - References

McLenachan, S., et al. Transgenic Res. 17(6):1103-1116(2008) Willoughby, V., et al. Appl. Immunohistochem. Mol. Morphol. 16(4):344-348(2008) Sunesson, L., et al. J. Biol. Chem. 283(24):16653-16664(2008) Djabali, K., et al. Cell 64(1):109-121(1991)