

Peripherin Antibody (Internal)
Rabbit Polyclonal Antibody
Catalog # ALS17192**Specification**

Peripherin Antibody (Internal) - Product Information

Application	IHC-P, WB
Primary Accession	P41219
Other Accession	5630
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	53651

Peripherin Antibody (Internal) - Additional Information**Gene ID** 5630**Other Names**

PRPH, NEF4, Neurofilament 4 (57kD), Peripherin, PRPH1, Neurofilament 4

Target/Specificity

Human Peripherin

Reconstitution & Storage

0.1 M Tris-glycine, pH 7.0, 10% glycerol, 0.01% Thimerosal. Keep as concentrated solution. Aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Precautions

Peripherin Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

Peripherin Antibody (Internal) - 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](http://www.uniprot.org/citations/15446584), PubMed: [15322088](http://www.uniprot.org/citations/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.

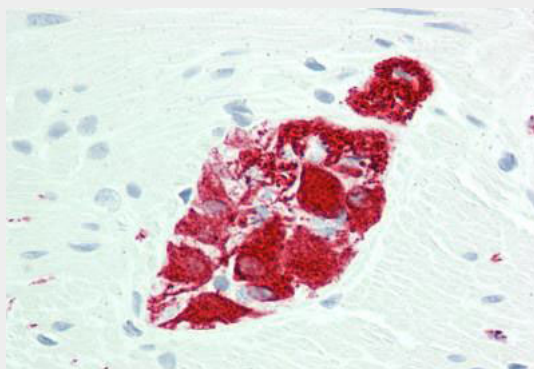
Volume

50 μ l

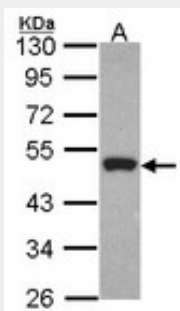
Peripherin Antibody (Internal) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Peripherin Antibody (Internal) - Images

Human Colon, Myenteric Plexus: Formalin-Fixed, Paraffin-Embedded (FFPE)



Sample (30 μ g of whole cell lysate).

Peripherin Antibody (Internal) - Background

Class-III neuronal intermediate filament protein.

Peripherin Antibody (Internal) - References

Foley J., et al. Genomics 22:456-461(1994).
Scherer S.E., et al. Nature 440:346-351(2006).