

Peripherin Antibody (aa421-470)
Rabbit Polyclonal Antibody
Catalog # ALS15056**Specification**

Peripherin Antibody (aa421-470) - Product Information

Application	WB, IHC
Primary Accession	P41219
Reactivity	Human, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	54kDa KDa

Peripherin Antibody (aa421-470) - Additional Information**Gene ID** 5630**Other Names**

Peripherin, Neurofilament 4, PRPH, NEF4, PRPH1

Target/Specificity

Peripherin Antibody detects endogenous levels of total Peripherin protein.

Reconstitution & Storage

Store at -20°C for up to one year.

Precautions

Peripherin Antibody (aa421-470) is for research use only and not for use in diagnostic or therapeutic procedures.

Peripherin Antibody (aa421-470) - 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.

Volume

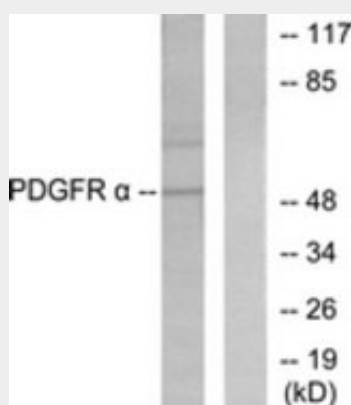
50 μ l

Peripherin Antibody (aa421-470) - Protocols

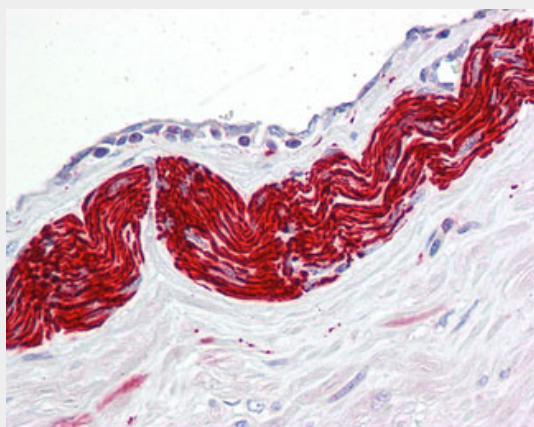
Provided below are standard protocols that you may find useful for product applications.

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

Peripherin Antibody (aa421-470) - Images



Western blot of extracts from HepG2 cells, using Peripherin Antibody.



Anti-PRPH / Peripherin antibody IHC of human nerve.

Peripherin Antibody (aa421-470) - Background

Class-III neuronal intermediate filament protein.

Peripherin Antibody (aa421-470) - References

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