

Anti-Peripherin Antibody

Catalog # AP59677

Product Information

Application	WB, IHC
Primary Accession	P41219
Reactivity	Human, Rat, Mk
Host	Rabbit
Clonality	Polyclonal
Calculated MW	53651

Additional Information

Gene ID	5630
Other Names	NEF4; PRPH1; Peripherin; Neurofilament 4
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human Peripherin. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

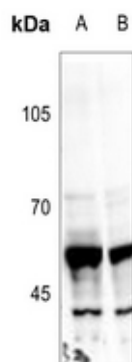
Protein Information

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: 15322088 , PubMed: 15446584). 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}

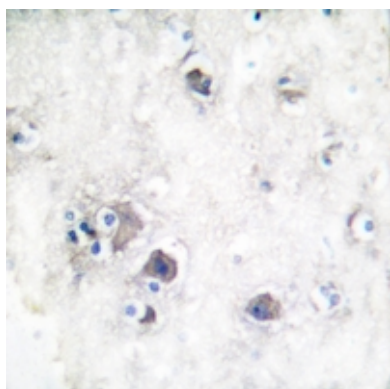
Tissue Location

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.

Images



Western blot analysis of Peripherin expression in Hela (A), PC12 (B) whole cell lysates. (Predicted band size: 53 kD; Observed band size: 54 kD)



Immunohistochemical analysis of Peripherin staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.