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Anti-Peripherin Antibody (clone 3B3)

Mouse Anti Human Monoclonal Antibody
Catalog # ALS17673

Product Information

Application	WB, IHC-P, E
Primary Accession	P41219
Predicted	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2b,k
Clone Names	3B3
Calculated MW	53651
Concentration (mg/ml)	0.5 mg/ml

Additional Information

Gene ID	5630
Alias Symbol	PRPH
Other Names	PRPH, NEF4, Neurofilament 4 (57kD), Peripherin, PRPH1, Neurofilament 4
Target/Specificity	Human Peripherin
Reconstitution & Storage	Protein A purified
Precautions	Anti-Peripherin Antibody (clone 3B3) is for research use only and not for use in diagnostic or therapeutic procedures.

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.