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PRPH Polyclonal Antibody

Catalog # AP72053

Product Information

Application	WB, IHC-P, IF, ICC, E
Primary Accession	P41219
Reactivity	Human, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	53651

Additional Information

Gene ID	5630
Other Names	PRPH; NEF4; PRPH1; Peripherin; Neurofilament 4
Dilution	WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000. Not yet tested in other applications. IHC-P~~N/A IF~~1:50~200 ICC~~N/A E~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20℃

Protein Information

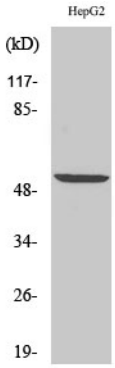
Name	PRPH
Synonyms	NEF4, PRPH1
Function	Class-III neuronal intermediate filament protein (By similarity). May form an independent structural network without the involvement of other neurofilaments or may cooperate with the neuronal intermediate filament proteins NEFL, NEFH, NEFM and INA to form a filamentous 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.

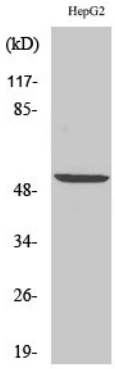
Background

Class-III neuronal intermediate filament protein.

Images



Western Blot analysis of various cells using PRPH Polyclonal Antibody diluted at 1：1000



Western Blot analysis of HepG2 cells using PRPH Polyclonal Antibody diluted at 1：1000

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