Peripherin (PRPH) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Peripherin (PRPH), Polyclonal Antibody
Full Product Name	APC-Linked Polyclonal Antibody to Peripherin (PRPH)
Product Gene Name	anti-PRPH antibody
Product Synonym Names	Peripherin; NEF4; Neurofilament 4
Immunogen Sequence	Met1~Tyr47 0
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Liquid; 0.01M PBS, pH7.4, containing 0.05% Proclin-300, 50% glycerol.
Purity/Purification	Protein A + Protein G affinity chromatography
Concentration	>=0.1mg/mL (Please refer to the vial label for the specific concentration.) (lot specific)
Preparation and Storage	Store at 2 degree C to 8 degree C for frequent use, -20 degree C for 12 months
Matching Pairs	APC Conjugated Antibody: PRPH (MBS2165604) Immunogen: PRPH (MBS2125565)
Matching Pairs	Unconjugated Antibody: PRPH (MBS2169922) APC Conjugated Antibody: PRPH (MBS2165604)
Molecular Weight	53,651 Da
Chromosome Location	Chromosome: 12; NC_000012.11 (49688909..49692481). Location: 12q12-q13
OMIM	170710
3D Structure	ModBase 3D Structure for P41219
Supply Chain Verification	Manufactured in a lab with traceable raw materials. Bulk orders can typically be prepared to the customer's specifications, please inquire.
Conjugation	APC
Product Categories/Family for anti-PRPH antibody	Polyclonal Antibodies (Primary Abs); Primary, APC-conjugated; Metabolic pathway
ISO Certification	Manufactured in an ISO 9001:2015 and ISO 13485:2016 Certified Laboratory.
Applications Tested/Suitable for anti-PRPH antibody	Western Blot (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunoprecipitation (IP)
Application Notes for anti-PRPH antibody	WB: 0.2-2ug/mL; 1:250-2500 IHC: 5-20ug/mL; 1:25-100 ICC: 5-20ug/mL; 1:25-100
Related Product Information for anti-PRPH antibody	MBS2165604 is an antibody targeting PRPH. Also known as APC-Linked Polyclonal Antibody to Peripherin (PRPH). Reactive in Human, Mouse. Host: Rabbit.
Other Notes	Small volumes of anti-PRPH antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PRPH. It may not necessarily be applicable to this product.

NCBI GI #	21264345
NCBI GeneID	5630
NCBI Accession #	NP_006253.2
UniProt Primary Accession #	P41219
UniProt Secondary Accession #	Q8N577
UniProt Related Accession #	P41219
GenBank Nucleotide #	NM_006262.3
NCBI Official Full Name	peripherin
NCBI Official Synonym Full Names	peripherin
NCBI Official Symbol	PRPH
NCBI Official Synonym Symbols	NEF4; PRPH1
UniProt Protein Name	Peripherin
UniProt Synonym Protein Names	Neurofilament 4
Protein Family	Peripherin
UniProt Gene Name	PRPH
UniProt Synonym Gene Names	NEF4; PRPH1
UniProt Entry Name	PERI_HUMAN
NCBI Protein Information	peripherin; neurofilament 4 (57kD)
NCBI Summary for PRPH	This gene encodes a cytoskeletal protein found in neurons of the peripheral nervous system. The encoded protein is a type III intermediate filament protein with homology to other cytoskeletal proteins such as desmin, and is a different protein that the peripherin found in photoreceptors. Mutations in this gene have been associated with susceptibility to amyotrophic lateral sclerosis. [provided by RefSeq, Jul 2008]
UniProt Comments for PRPH	peripherin: Class-III neuronal intermediate filament protein. Belongs to the intermediate filament family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Motility/polarity/chemotaxis; Cytoskeletal Chromosomal Location of Human Ortholog: 12q12-q13 Cellular Component: membrane; type III intermediate filament; neurofilament; intermediate filament Molecular Function: structural molecule activity Biological Process: intermediate filament cytoskeleton organization and biogenesis Disease: Amyotrophic Lateral Sclerosis 1
Research Articles on PRPH	**1.** A protein encoded by this locus was found to be differentially expressed in postmortem brains from patients with atypical frontotemporal lobar degeneration.
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