PRPH2 Antibody

PRODUCT OVERVIEW

Product Name	PRPH2, Antibody
Full Product Name	PRPH2 Antibody
Product Gene Name	anti-PRPH2 antibody
Molecular Weight	39,186 Da
OMIM	136880
3D Structure	ModBase 3D Structure for P23942
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for anti-PRPH2 antibody	MBS8502800 is an antibody targeting PRPH2. Also known as PRPH2 Antibody.
Other Notes	Small volumes of anti-PRPH2 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 PRPH2. It may not necessarily be applicable to this product.

NCBI GI #	118572596
NCBI GeneID	5961
NCBI Accession #	NP_000313.2
UniProt Primary Accession #	P23942
UniProt Secondary Accession #	Q5TFH5; Q6DK65
UniProt Related Accession #	P23942
GenBank Nucleotide #	NM_000322.4
NCBI Official Full Name	peripherin-2
NCBI Official Synonym Full Names	peripherin 2
NCBI Official Symbol	PRPH2
NCBI Official Synonym Symbols	DS; RDS; RP7; rd2; AVMD; PRPH; AOFMD; CACD2; MDBS1; TSPAN22
UniProt Protein Name	Peripherin-2
UniProt Synonym Protein Names	Retinal degeneration slow protein; Tetraspanin-22; Tspan-22
Protein Family	Peripherin
UniProt Gene Name	PRPH2
UniProt Synonym Gene Names	PRPH; RDS; TSPAN22; Tspan-22
NCBI Protein Information	peripherin-2

NCBI Summary for PRPH2	The protein encoded by this gene is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. The proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. This encoded protein is a cell surface glycoprotein found in the outer segment of both rod and cone photoreceptor cells. It may function as an adhesion molecule involved in stabilization and compaction of outer segment disks or in the maintenance of the curvature of the rim. This protein is essential for disk morphogenesis. Defects in this gene are associated with both central and peripheral retinal degenerations. Some of the various phenotypically different disorders are autosomal dominant retinitis pigmentosa, progressive macular degeneration, macular dystrophy and retinitis pigmentosa digenic. [provided by RefSeq, Jul 2008]
UniProt Comments for PRPH2	May function as an adhesion molecule involved in stabilization and compaction of outer segment disks or in the maintenance of the curvature of the rim. It is essential for disk morphogenesis.
Research Articles on PRPH2	**1.** Multiple genes contributing to the retinal dystrophy genotypes within a family were discovered using retinal gene-targeted next-generation sequencing. Families with noted examples of phenotypic variation or apparent non-penetrant individuals may offer a clue to suspect complex inheritance.
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