abcam

Product datasheet

Anti-PRPH2/RDS antibody ab122057

4 图像

概述

产品名称	Anti-PRPH2/RDS抗体
描述	兔多克隆抗体to PRPH2/RDS
宿主	Rabbit
经测试应用	**适用于:** IHC-P
种属反应性	**与反应:** Human
免疫原	Recombinant fragment corresponding to Human PRPH2/RDS aa 124-248. Database link: **P23942**
阳性对照	IHC-P: Human retina tissue.
常规说明	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
存储溶液	pH: 7.20 Preservative: 0.02% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine)
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee	**Abpromise™承诺保证使用ab122057于以下的经测试应用**

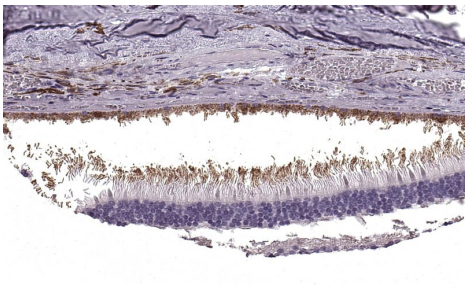
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
IHC-P		1/2500 - 1/5000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

靶标

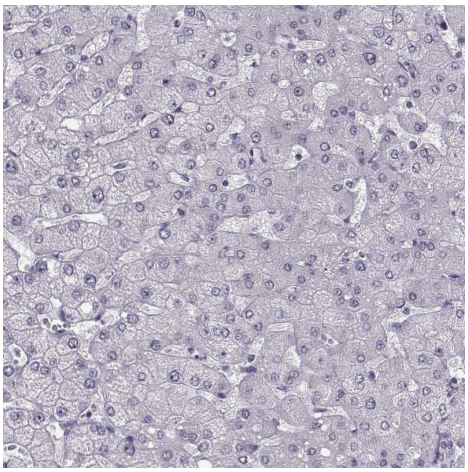
功能	May function as an adhesion molecule involved in stabilization and compaction of outer segment disks or in the maintenance of the curvature of the rim. It is essential for disk morphogenesis.
组织特异性	Retina (photoreceptor). In rim region of ROS (rod outer segment) disks.
疾病相关	Defects in PRPH2 are the cause of retinitis pigmentosa type 7 (RP7) [MIM:608133]. RP leads to degeneration of retinal photoreceptor cells. Patients typically have night vision blindness and loss of midperipheral visual field. As their condition progresses, they lose their far peripheral visual field and eventually central vision as well. Defects in PRPH2 are a cause of retinitis punctata albescens [MIM:136880]. Defects in PRPH2 are a cause of adult-onset vitelliform macular dystrophy (AVMD) [MIM:608161]. AVMD is a rare autosomal dominant disorder with incomplete penetrance and highly variable expression. Patients usually become symptomatic in the fourth or fifth decade of life with a protracted disease of decreased visual acuity. Defects in PRPH2 are a cause of patterned dystrophy of retinal pigment epithelium (PDREP) [MIM:169150]. Patterned dystrophies of the retinal pigment epithelium (RPE) refer to a heterogeneous group of macular disorders. Three main types of PDREP have been described: reticular (fishnet-like) dystrophy, macroreticular (spider-shaped) dystrophy and butterfly-shaped pigment dystrophy. Defects in PRPH2 are a cause of choroidal dystrophy central areolar type 2 (CACD2) [MIM:613105]. It is a disorder which affects the posterior pole of the eye, and early lesions consist of a non-specific area of granular hyperpigmentation at the fovea. The characteristic sign of the disorder, a zone of atrophy that develops in the macula of the eye and involves the retinal pigment epithelium and the choriocapillaris, occurs several decades after onset. Note=Defects in PRPH2 are found in different retinal diseases including cone-rod dystrophy, retinitis pigmentosa, macular degeneration. The mutations underlying autosomal dominant retinitis pigmentosa and severe macular degeneration are largely missense or small in-frame deletions in a large intradiscal loop between the third and fourth transmembrane domains. In contrast, those associated with the milder pattern phenotypes or with digenic RP are scattered more evenly through the gene and are often nonsense mutations. This observation correlates with the hypothesis that the large loop is an important site of interaction between PRPH2 molecules and other protein components in the disk.
序列相似性	Belongs to the PRPH2/ROM1 family.
细胞定位	Membrane.

图片



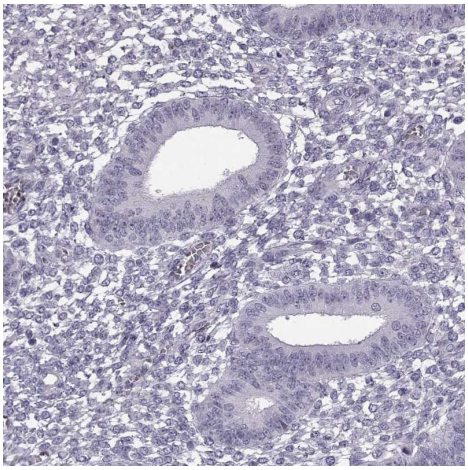
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PRPH2/RDS antibody (ab122057)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human retina tissue labelling PRPH2/RDS with ab122057 at 1/2500 dilution. Heat mediated antigen retrieval performed with citrate buffer pH 6 before commencing with IHC staining protocol.



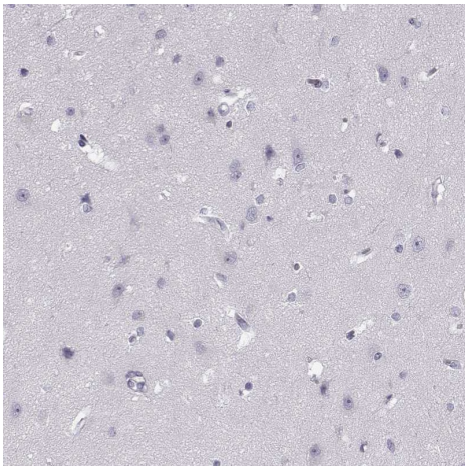
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PRPH2/RDS antibody (ab122057)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human liver tissue labelling PRPH2/RDS with ab122057 at 1/2500 dilution. Heat mediated antigen retrieval performed with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PRPH2/RDS antibody (ab122057)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human endometrium tissue labelling PRPH2/RDS with ab122057 at 1/2500 dilution. Heat mediated antigen retrieval performed with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PRPH2/RDS antibody (ab122057)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human cerebral cortex tissue labelling PRPH2/RDS with ab122057 at 1/2500 dilution. Heat mediated antigen retrieval performed with citrate buffer pH 6 before commencing with IHC staining protocol.

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