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RRH Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16644b

Product Information

Application	WB, E
Primary Accession	O14718
Other Accession	NP_006574.1
Reactivity	Human
Predicted	Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB36177
Calculated MW	37423
Antigen Region	213-240

Additional Information

Gene ID	10692
Other Names	Visual pigment-like receptor peropsin, RRH
Target/Specificity	This RRH antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 213-240 amino acids from the C-terminal region of human RRH.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	RRH Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	RRH (HGNC:10450)
Function	Opsin-family protein localized to the apical microvilli of the retinal pigment epithelium (RPE), where it may participate in retinoid exchange between photoreceptors and RPE or light-dependent retinoid processing. Although it

	possesses the structural features of a GPCR, no evidence for canonical G protein activation in vivo has been reported.
Cellular Location	Membrane; Multi-pass membrane protein. Apical cell membrane {ECO:0000250|UniProtKB:O35214}; Multi-pass membrane protein. Note=Localized to the apical microvilli of RPE cells {ECO:0000250|UniProtKB:O35214}

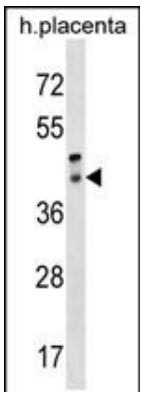
Background

Opsins are members of the guanine nucleotide-binding protein (G protein)-coupled receptor superfamily. This gene belongs to the seven-exon subfamily of mammalian opsin genes that includes opsin 5 and retinal G protein coupled receptor. [provided by RefSeq].

References

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Luttrell, L.M. Mol. Biotechnol. 39(3):239-264(2008)
Rivolta, C., et al. Mol. Vis. 12, 1511-1515 (2006) :
Barrios-Rodiles, M., et al. Science 307(5715):1621-1625(2005)
Bellingham, J., et al. BMC Genomics 4 (1), 3 (2003) :

Images



RRH Antibody (C-term) (Cat. #AP16644b) western blot analysis in human placenta tissue lysates (35ug/lane).This demonstrates the RRH antibody detected the RRH protein (arrow).

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