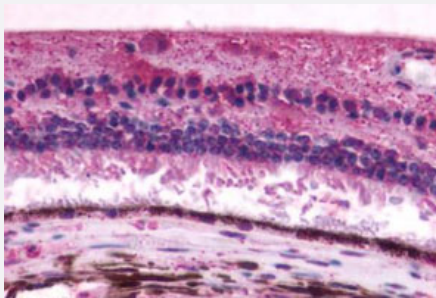


RGR polyclonal antibody

Catalog # PAB26529

Size 50 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical (Formalin/PFA-fixed paraffin-embedded sections) staining in human eye, retina with RGR polyclonal antibody (Cat # PAB26529). Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of RGR.
Immunogen	A synthetic peptide corresponding to 16 amino acids at 3rd cytoplasmic domain of human RGR.
Host	Rabbit
Reactivity	Human, Monkey
Specificity	BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Form	Liquid
Purification	Immunoaffinity chromatography
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (10-19 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical (Formalin/PFA-fixed paraffin-embedded sections) staining in human eye, retina with RGR polyclonal antibody (Cat # PAB26529). Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

Gene Info — RGR

Entrez GeneID [5995](#)

Protein Accession# [P47804](#)

Gene Name RGR

Gene Alias -

Gene Description retinal G protein coupled receptor

Omim ID [600342](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a putative retinal G-protein coupled receptor. The gene is a member of the opsin subfamily of the 7 transmembrane, G-protein coupled receptor 1 family. Like other opsins which bind retinaldehyde, it contains a conserved lysine residue in the seventh transmembrane domain. The protein acts as a photoisomerase to catalyze the conversion of all-trans-retinal to 11-cis-retinal. The reverse isomerization occurs with rhodopsin in retinal photoreceptor cells. The protein is exclusively expressed in tissue adjacent to retinal photoreceptor cells, the retinal pigment epithelium and Mueller cells. This gene may be associated with autosomal recessive and autosomal dominant retinitis pigmentosa (arRP and adRP, respectively). Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq]

Other Designations OTTHUMP00000019996|RGR-opsin|RPE retinal G-protein coupled receptor|retinal G-protein coupled receptor

Disease

- [Alzheimer Disease](#)
- [Genetic Predisposition to Disease](#)

- [Retinal Diseases](#)
- [Retinal Dystrophies](#)
- [Retinitis Pigmentosa](#)