

DNAxPAb

Hard-to-Find
Antibody

RGR DNAxPab

Catalog # H00005995-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a partial-length human RGR DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Extracellular membrane domain (ECD) human DNA
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

Gene Info — RGR

Entrez GeneID	5995
GeneBank Accession#	BC011349.1
Protein Accession#	AAH11349.1
Gene Name	RGR
Gene Alias	-
Gene Description	retinal G protein coupled receptor
Omim ID	600342
Gene Ontology	Hyperlink
Gene Summary	<p>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]</p>
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](#)