

Datasheet for ABIN2789477
anti-RGR antibody (C-Term)



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1 Image

Overview

Quantity:	100 µL
Target:	RGR
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Horse, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RGR antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Sequence:	GKSGHLQVPA LIAKMVPTIN AINYALGNEM VCRGIWQCLS PQKREKDRTK
Predicted Reactivity:	Horse: 83%, Human: 100%, Mouse: 85%, Pig: 83%
Characteristics:	This is a rabbit polyclonal antibody against RGR. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	RGR
Alternative Name:	RGR (RGR Products)
Background:	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

Target Details

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).

Alias Symbols: RP44

Protein Interaction Partner: KIAA1279, RDH5,

Protein Size: 253

Molecular Weight: 28 kDa

Gene ID: 5995

NCBI Accession: [NM_001012722](#), [NP_001012740](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 253 AA

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

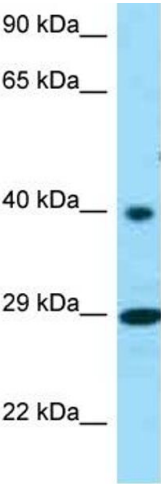
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -20 °C

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.



Rabbit Anti-RGR Antibody
Catalog Number: ARP63386
Lot Number: QC34382
Lane: PANC1 Cell Lysate

Antibody Titration: 1.0µg/ml
Gel Concentration: 12%

Western Blotting

Image 1.