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Datasheet for ABIN7263971 anti-RGR antibody

Image



#### Overview

Quantity:	200 µL
Target:	RGR
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RGR antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	Recombinant fusion protein of human RGR (NP_002912.2).
lsotype:	lgG
Characteristics:	Polyclonal Antibody
Purification:	Affinity purification

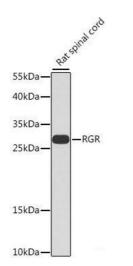
### Target Details

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 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

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### Target Details

	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.
Molecular Weight:	Observed_MW: 32 kDa Calculated_MW: 27 kDa/31 kDa/32 kDa
Gene ID:	5995
UniProt:	P47804
Application Details	
Application Notes:	WB 1:500-1:2000
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



#### Western Blotting

**Image 1.** Western blot analysis of extracts of Rat spinal cord using RGR Polyclonal Antibody at dilution of 1:1000.

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