

Allgemeine Informationen

Katalog-Nr.:

11904-1-AP

Größe:

150ul, Konzentration: 650 µg/ml von 5995 Nanodrop und 333 µg/ml durch die Bradford-Methode mit BSA als Standard;

Wirt:

Kaninchen

Isotyp:

IgG

Immunogen Katalognummer:

AG2552

GenBank-Zugangsnummer:

BC008094

GeneID (NCBI):

5995

Vollständiger Name:

retinal G protein coupled receptor

Berechnete Masse:

32 kDa

Beobachtete Masse:

32 kDa, 26 kDa

Reinigungsmethode:

Antigen-Affinitätsreinigung

Empfohlene Verdünnungen:

WB 1:500-1:1000

IP 0.5-4.0 ug für IP und 1:200-1:1000

für WB

IHC 1:500-1:2000

Anwendungen

Geprüfte Anwendungen:

FC, IHC, IP, WB, ELISA

Getestete Reaktivität:

Human, Maus, Ratte

Hinweis-IHC: Antigenmaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigenmaskierung auch mit Citratpuffer pH 6,0 erfolgen.

Positivkontrollen:

WB : humanes Herzgewebe,

IP : PC-3-Zellen,

IHC : Maus-Retina-Gewebe, humanes Prostatakarzinomgewebe

Hintergrundinformationen

RGR is a G protein-coupled receptor preferentially expressed at high levels in the retinal pigment epithelium (RPE) and Mueller cells of the neural retina. Like other opsins which bind retinaldehyde, it contains a conserved lysine residue in the seventh transmembrane domain. RGR 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 gene of PGR 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.

Lagerung

Lagerungsbedingungen:

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

***** 20ul-Größen enthalten 0.1% BSA**

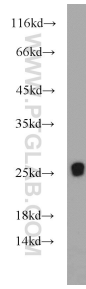
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

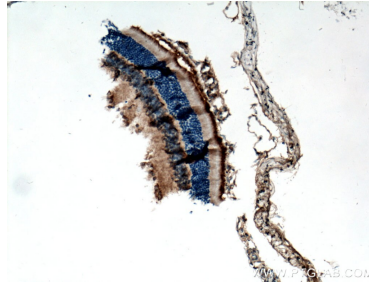
E: proteintech@ptglab.com
W: ptglab.com

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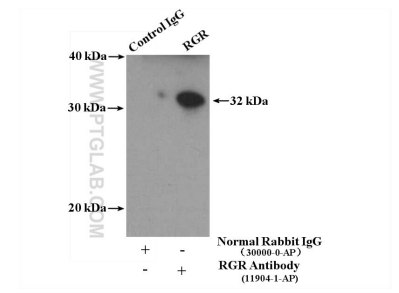
Ausgewählte Validierungsdaten



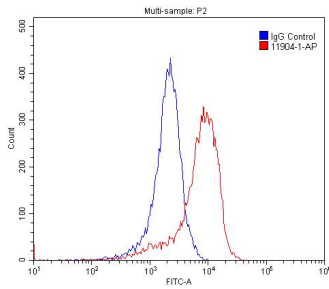
human heart tissue were subjected to SDS PAGE followed by western blot with 11904-1-AP (RGR antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse retina tissue slide using 11904-1-AP (RGR antibody) at dilution of 1:1000 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP Result of anti-RGR (IP:11904-1-AP, 4ug; Detection:11904-1-AP 1:300) with PC-3 cells lysate 4000ug.



1X10⁶ PC-3 cells were stained with 0.2ug RGR antibody (11904-1-AP, red) and control antibody (blue). Fixed with 4% PFA blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1500.