

For Research Use Only

RPGR Polyclonal antibody, PBS Only

Catalog Number: 16891-1-PBS



Basic Information

Catalog Number:

16891-1-PBS

Concentration:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG10405

GenBank Accession Number:

BC031624

GeneID (NCBI):

6103

UNIPROT ID:

Q92834

Full Name:

retinitis pigmentosa GTPase regulator

Calculated MW:

113 kDa

Observed MW:

100-105 kDa, 70 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IHC, IF/ICC, Indirect ELISA

Species Specificity:

human, mouse

Background Information

RPGR is a protein with a series of six RCC1-like domains (RLDs), characteristic of the highly conserved guanine nucleotide exchange factors. The encoded protein is found in the Golgi body and interacts with RPGRIP1. This protein localizes to the outer segment of rod photoreceptors and is essential for their viability. Mutations in this gene have been associated with X-linked retinitis pigmentosa (XLRP). Multiple alternatively spliced transcript variants that encode different isoforms of this gene have been reported, but the full-length nature of only some have been determined. This antibody can recognize all the isoforms of RPGR.

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

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

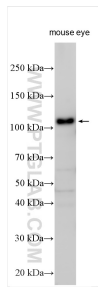
T: 4006900926

E: Proteintech-CN@ptglab.com

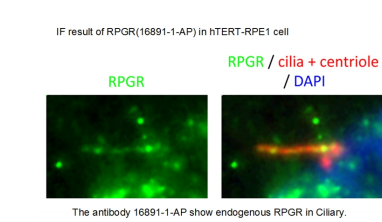
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

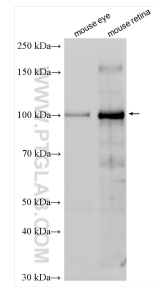
Selected Validation Data



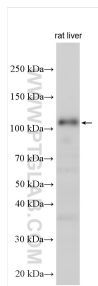
Various lysates were subjected to SDS PAGE followed by western blot with 16891-1-AP (RPGR antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 16891-1-PBS in a different storage buffer formulation.



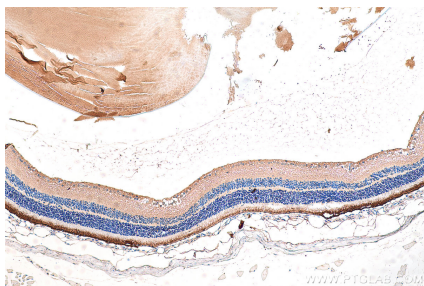
IF result of anti-RPGR (16891-1-AP) in hTERT-RPE1 cell by Dr. Seongjin Seo. This data was developed using the same antibody clone with 16891-1-PBS in a different storage buffer formulation.



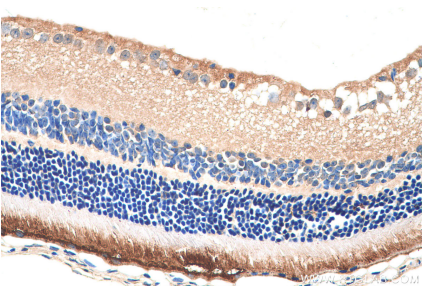
Various lysates were subjected to SDS PAGE followed by western blot with 16891-1-AP (RPGR antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 16891-1-PBS in a different storage buffer formulation.



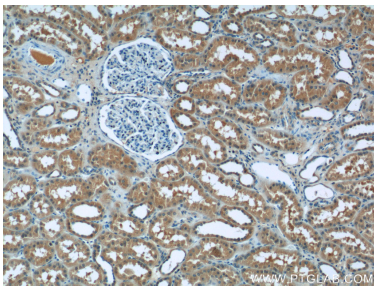
Various lysates were subjected to SDS PAGE followed by western blot with 16891-1-AP (RPGR antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 16891-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse eye tissue slide using 16891-1-AP (RPGR antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 16891-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse eye tissue slide using 16891-1-AP (RPGR antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 16891-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 16891-1-AP (RPGR Antibody) at dilution of 1:50 (under 10x lens). This data was developed using the same antibody clone with 16891-1-PBS in a different storage buffer formulation.