

For Research Use Only

# CoraLite® Plus 488-conjugated RPE65 Polyclonal antibody



Catalog Number: CL488-17939

## Basic Information

Catalog Number:

CL488-17939

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG12356

GenBank Accession Number:

BC075036

GeneID (NCBI):

6121

UNIPROT ID:

Q16518

Full Name:

retinal pigment epithelium-specific protein 65kDa

Calculated MW:

61 kDa

Observed MW:

65 kDa, 61 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IF-P 1:50-1:500

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

## Applications

Tested Applications:

IF-P

Species Specificity:

human, mouse, rat

Positive Controls:

IF-P: mouse eye tissue,

## Background Information

RPE65(Retinal pigment epithelium-specific 65 kDa protein) is also named as retinoid isomerohydrolase with the calculated molecular weight of 61 kDa and belongs to the carotenoid oxygenase family. It is a microsomal protein with isomerase activity in the retinoid visual cycle that playing a role in the isomerisation of all-trans (vitamin A) to 11-cis retinal, the chromophore of the visual pigments. It also might be involved in retinoid uptake of keratinocytes.

## Storage

Storage:

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

T: 4006900926

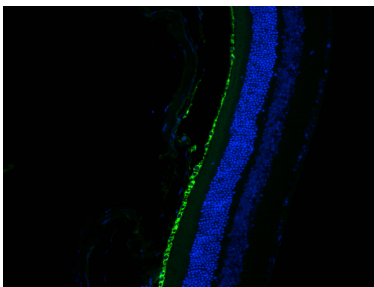
E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed mouse eye tissue using CoraLite® Plus 488 RPE65 antibody (CL488-17939) at dilution of 1:200.