

For Research Use Only

CoraLite® Plus 488-conjugated RLBP1 Polyclonal antibody



Catalog Number: **CL488-15356**

Basic Information

Catalog Number:

CL488-15356

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG7602

GenBank Accession Number:

BC004199

GeneID (NCBI):

6017

UNIPROT ID:

P12271

Full Name:

retinaldehyde binding protein 1

Calculated MW:

36 kDa

Observed MW:

36 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

RLBP1 (Retinaldehyde-binding protein 1) is also named as cellular retinaldehyde-binding protein (CRALBP). CRALBP, a 36-kDa aqueous soluble carrier, is expressed in abundance by both retinal pigment epithelial (RPE) and Muller cells of retina and is important for rod- and cone-driven vision (PMID: 32188692). Retinal RLBP1 expression was decreased in diabetes, and its overexpression in Müller glia mitigated DR-associated neurovascular degeneration (PMID: 33674409).

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:

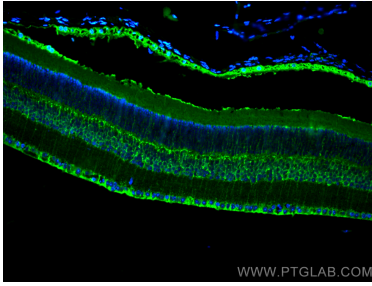
T: 4006900926

E: Proteintech-CN@ptglab.com

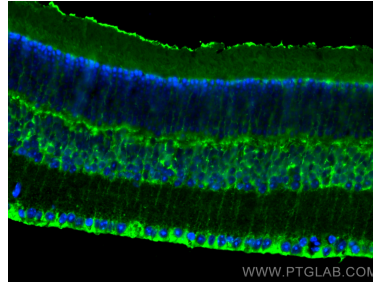
W: ptgcn.com

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Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse eye tissue using CoraLite® Plus 488 RLBP1 antibody (CL488-15356) at dilution of 1:200. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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