

For Research Use Only

# CoraLite® Plus 488-conjugated RLBP1 Recombinant monoclonal antibody

Catalog Number: CL488-85697



## Basic Information

Catalog Number:

CL488-85697

Concentration:

1000 ug/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:

Protein A purification

CloneNo.:

242989D1

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, pH7.3

Aliquoting is unnecessary for -20°C storage

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

T: 4006900926

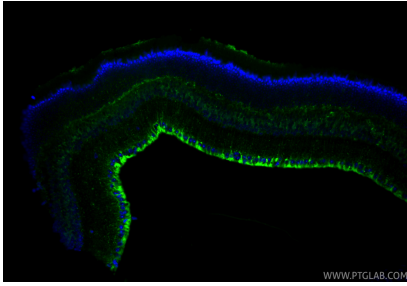
E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

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

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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse eye tissue using CoraLite® Plus 488 RLBP1 antibody (CL488-85697, Clone: 242989D1 ) at dilution of 1:200. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).