

For Research Use Only

CoraLite® Plus 488-conjugated RLBP1 Recombinant monoclonal antibody

Catalog Number:CL488-85697



Basic Information

Catalog Number: CL488-85697	GenBank Accession Number: BC004199	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 6017	CloneNo.: 242989D1
Source: Rabbit	UNIPROT ID: P12271	Recommended Dilutions: IF-P: 1:50-1:500
Isotype: IgG	Full Name: retinaldehyde binding protein 1	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG7602	Calculated MW: 36 kDa	
	Observed MW: 36 kDa	

Applications

Tested Applications: IF-P	Positive Controls: IF-P : mouse eye tissue,
Species Specificity: human, mouse, rat	

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).

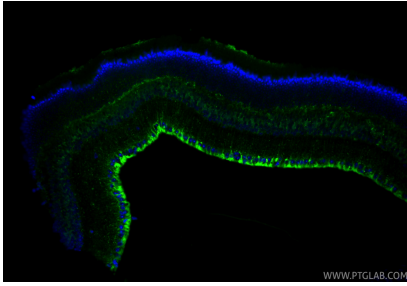
Storage

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: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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).