

## RPE65 Antibody FITC Conjugated

Catalog No: #C08060F

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## Description

Product Name	RPE65 Antibody FITC Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	ICC IF
Species Reactivity	Hu Ms Rt
Immunogen Description	KLH conjugated synthetic peptide derived from human RPE65
Conjugates	FITC
Target Name	RPE65
Other Names	All-trans-retinyl-palmitate hydrolase; LCA 2; LCA2; Leber congenital amaurosis; mRPE 65; mRPE65; p63; rd 12; rd12; Retinal pigment epithelium specic 61 kDa protein; Retinal pigment epithelium specic 65 kDa protein; Retinal pigment epithelium specic protein; Retinal pigment epithelium specic protein
Excitation Emission	494nm 518nm
Concentration	1mg ml
Formulation	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

## Application Details

ICC=1:50-200 IF=1:50-200

## Background

The retinal pigment epithelium (RPE) is a monolayer simple epithelium in proximity to the outer surface of the retinal photoreceptor cells. Retinal pigment epithelium-specific protein (RPE65) is a 65 kDa protein belonging to the ?2-carotene dioxygenase family. This protein is important in 11-cis retinal production as well as in visual pigment regeneration. RPE65 is attached to the membrane by a lipid anchor when palmitoylated (membrane form) and soluble when unpalmitoylated. The soluble form of the protein binds vitamin A. Defects in RPE65 causes autosomal dominant retinitis pigmentosa and or Leber congenital amaurosis type 2.

Note: This product is for in vitro research use only