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## Datasheet for ABIN1403490 **anti-RPE65 antibody (Alexa Fluor 647)**

### Overview

Quantity:	100 µL
Target:	RPE65
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RPE65 antibody is conjugated to Alexa Fluor 647
Application:	Western Blotting (WB), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human RPE65
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.

### Target Details

Target:	RPE65
Alternative Name:	RPE65 ( <a href="#">RPE65 Products</a> )
Background:	Synonyms: 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 65 kDa, Retinal pigment epithelium-specific 65 kDa protein,

## Target Details

Retinitis pigmentosa 20, Retinoid isomerohydrolase, RP 20, RP20, RPE 65, RPE65, RPE65\_HUMAN, sRPE 65, sRPE65.

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  $\beta$ -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.

## Application Details

Application Notes: IF(IHC-P) 1:50-200

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1  $\mu$ g/ $\mu$ L

Buffer: Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months