

RPE65 Conjugated Antibody

Catalog No: #C49495



Package Size: #C49495-AF350 100ul #C49495-AF405 100ul #C49495-AF488 100ul
 #C49495-AF555 100ul #C49495-AF594 100ul #C49495-AF647 100ul
 #C49495-AF680 100ul #C49495-AF750 100ul #C49495-Biotin 100ul

Orders: order@signalwayantibody.com
 Support: tech@signalwayantibody.com

Description

Product Name	RPE65 Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	All-trans-retinyl-palmitate hydrolase antibody LCA 2 antibody LCA2 antibody Leber congenital amaurosis antibody mRPE 65 antibody mRPE65 antibody p63 antibody rd 12 antibody rd12 antibody Retinal pigment epithelium specific 61 kDa protein antibody Retinal pigment epithelium specific 65 kDa protein antibody Retinal pigment epithelium specific protein antibody Retinal pigment epithelium specific protein 65kDa antibody Retinal pigment epithelium-specific 65 kDa protein antibody Retinitis pigmentosa 20 antibody Retinoid isomerohydrolase antibody Retinol isomerase antibody RP 20 antibody RP20 antibody RPE 65 antibody RPE65 antibody RPE65_HUMAN antibody sRPE 65 antibody sRPE65 antibody
Accession No.	Swiss-Prot#:Q16518
Uniprot	Q16518
GeneID	6121;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	61 kDa
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

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 65kDa 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.

Note: This product is for in vitro research use only