

Rabbit RPE65 Monoclonal Antibody | anti-RPE65 antibody

RPE65 Antibody

CATALOG # AAA312477	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunoprecipitation, Western Blot
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PRODUCT SYNONYMS

RPE65; Monoclonal Antibody; RPE65 Antibody; 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; anti-RPE65 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Clone Number	JM61-51
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-RPE65 antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Recombinant protein
Preparation and Storage	Store at -20 degree C.

IMAGES



WB (Western Blot)

Western blot analysis of RPE65 on mouse eyeball cells lysates using anti-RPE65 antibody at 1/500 dilution.

ADDITIONAL INFORMATION

Related Product Information for anti-RPE65 antibody	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.
Product Categories/Family for anti-RPE65 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506591
NCBI GeneID	6121
NCBI Accession #	NP_000320.1
NCBI GenBank Nucleotide #	NM_000329.2
UniProt Accession #	Q16518; Q5T9U3; A8K1L0
Molecular Weight	61 kDa
NCBI Official Full Name	retinoid isomerohydrolase
NCBI Official Synonym Full Names	RPE65, retinoid isomerohydrolase
NCBI Official Symbol	RPE65
NCBI Official Synonym Symbols	p63; BCO3; LCA2; RP20; rd12; mRPE65; sRPE65
NCBI Protein Information	retinoid isomerohydrolase
UniProt Protein Name	Retinoid isomerohydrolase
UniProt Gene Name	RPE65

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/rpe65-antibody-clone-jm61-51-immunoprecipitation-western-blot-elisa/312477>