

Rabbit RPE65 Polyclonal Antibody | anti-RPE65 antibody

RPE65 Rabbit Polyclonal Antibody

CATALOG # AAA314211	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence, Western Blot
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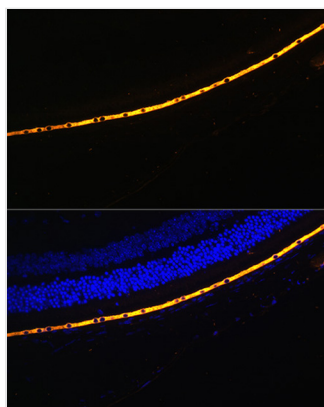
PRODUCT SYNONYMS

RPE65; Polyclonal Antibody; RPE65 Rabbit Polyclonal Antibody; BCO3; LCA2; RP20; mRPE65; rd12; sRPE65; anti-RPE65 antibody

PRODUCT SPECIFICATIONS

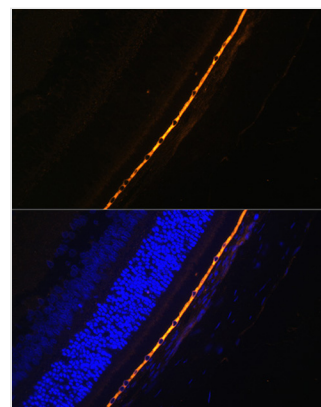
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Applicable Applications for anti-RPE65 antibody	IF (Immunofluorescence), WB (Western Blot)
Immunogen	Recombinant fusion protein of human RPE65 (NP_000320.1).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



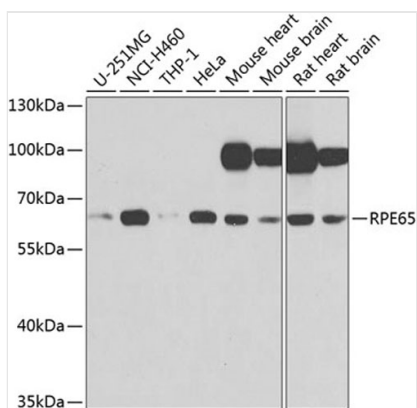
IF (Immunofluorescence)

Immunofluorescence analysis of Mouse eye cells using RPE65 at dilution of 1:100. Blue: DAPI for nuclear staining.



IF (Immunofluorescence)

Immunofluorescence analysis of Rat eye cells using RPE65 at dilution of 1:100. Blue: DAPI for nuclear staining.



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using RPE65 at 1:1000 dilution.

ADDITIONAL INFORMATION

Related Product Information for anti-RPE65 antibody

This gene encodes a protein which is located in the retinal pigment epithelium and is involved in the production of 11-cis retinal and in visual pigment regeneration. There are two forms of this protein, a soluble form called sRPE65, and a palmitoylated, membrane-bound form known as mRPE65. mRPE65 serves as the palmitoyl donor for lecithin retinol acyl transferase (LRAT), the enzyme that catalyzes the vitamin A to all trans retinol step of the chromophore regeneration process. Both mRPE65 and sRPE65 also serve as regulatory proteins, with the ratio and concentrations of these molecules playing a role in the inhibition of 11-cis retinal synthesis. Mutations in this gene have been associated with Leber congenital amaurosis type 2 (LCA2) and retinitis pigmentosa.

Product Categories/Family for anti-RPE65 antibody

Primary Antibody

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	60948 MW
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/polyclonal/rpe65-antibody-immunofluorescence-western-blot-elisa/314211>