

Rabbit anti-Human RPE65 Polyclonal Antibody | anti-RPE65 antibody

RPE65 Antibody, HRP conjugated

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA234639	Rabbit	Human	ELISA

PRODUCT SYNONYMS

RPE65; Polyclonal Antibody; RPE65 Antibody; HRP conjugated; Retinoid isomerohydrolase (EC 3.1.1.64) (All-trans-retinyl-palmitate hydrolase) (Meso-zeaxanthin isomerase) (EC 5.3.3.-) (Retinal pigment epithelium-specific 65 kDa protein) (Retinol isomerase); anti-RPE65 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	533
Applicable Applications for anti-RPE65 antibody	ELISA
Immunogen	Recombinant Human Retinoid isomerohydrolase protein (348-484AA)
Species	Homo sapiens (Human)
Research Area	Tags & Cell Markers
Target Names	RPE65
Conjugation	HRP
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Preparation and Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

ADDITIONAL INFORMATION

Related Product Information for anti-RPE65 antibody	Plays important roles in the production of 11-cis retinal and in visual pigment regeneration. The soluble form binds vitamin A (all-trans-retinol), making it available for LRAT processing to all-trans-retinyl ester. The membrane form, palmitoylated by LRAT, binds all-trans-retinyl esters, making them available for IMH (isomerohydrolase) processing to all-cis-retinol. The soluble form is regenerated by transferring its palmitoyl groups onto 11-cis-retinol, a reaction catalyzed by LRAT. The enzymatic activity is linearly dependent of the expression levels and membrane association.
Product Categories/Family for anti-RPE65 antibody	Neuroscience; Cancer; Tags & Cell Markers; Metabolism; Signal transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506591
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NCBI GeneID	6121
NCBI Accession #	NP_000320.1
NCBI GenBank Nucleotide #	NM_000329.2
UniProt Accession #	Q16518 ; Q5T9U3 ; A8K1L0
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://www.aaabiotech.com/polyclonal/rpe65-antibody-elisa/234639>