

Anti-RPE65 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Mouse
Molecular Weight:	Theoretical: 59 kDa.
Purification:	Protein A purified

Applications

	Tissue: Mouse eyeball
	Section type: Formalin fixed & Paraffin-embedded section
	Retrieval method: High temperature and high pressure
Verified Activity:	Retrieval buffer: Tris/EDTA buffer, pH 9.0 Primary ab dilution: 1:4000
	Primary ab incubation condition: 1 hour at room temperature
	Counter stain: Hematoxylin
	Comment: Color brown is the positive signal
Application:	WB,IHC-P,IHC-Fr,IF
Recommended	WB: 1:500-2000; IHC-P: 1:1000-4000; IHC-Fr: 1:400-800; IF: 1:100-500

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: mouse RPE65
Antigen Species:	Mouse
Gene ID:	19892
Uniprot ID:	Q91ZQ5

Research 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 β -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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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