

Anti-RPE65 Antibody (7P282)

Product Details

Ig Type:	IgG
Reactivity:	Mouse,Rat (predicted:Human)
Molecular Weight:	Theoretical: 61 kDa. Actual: 62 kDa.
Clone:	7P282
Purification:	Protein A purified

Applications

Verified Activity:	1. 25 µg total protein per lane of various lysates (see on figure) probed with RPE65 monoclonal antibody, unconjugated (TMAB-12352) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r. T. for 60 min. 2. Paraformaldehyde-fixed, paraffin embedded Rat Eye; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with RPE65 Monoclonal Antibody, Unconjugated (TMAB-12352) at 1: 200 overnight at 4°C, followed by conjugation to the Goat Anti-Rabbit IgG H&L Secondary Antibody-HRP and DAB staining.
Application:	WB,IP,IHC-P,IHC-Fr,IF
Recommended	WB: 1:500-2000; IP: 1:20-50; IHC-P: 1:100-500; IHC-Fr: 1:100-500; 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:	A synthesized peptide: human RPE65
Antigen Species:	Human
Gene ID:	6121
Uniprot ID:	Q16518

Research Background

Critical isomerohydrolase in the retinoid cycle involved in regeneration of 11-cis-retinal, the chromophore of rod and cone opsins. Catalyzes the cleavage and isomerization of all-trans-retinyl fatty acid esters to 11-cis-retinol which is further oxidized by 11-cis retinol dehydrogenase to 11-cis-retinal for use as visual chromophore

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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