



Anti-RPE65 polyclonal antibody (DPAB-DC841)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	RPE65 (retinal pigment epithelium-specific protein 65kDa) is a protein-coding gene. Diseases associated with RPE65 include thymic hyperplasia, and rpe65-related retinitis pigmentosa, and among its related super-pathways are the visual cycle I (vertebrates) and The phototransduction cascade. GO annotations related to this gene include all-trans-retinyl-ester hydrolase, 11-cis retinol forming activity and retinal isomerase activity. An important paralog of this gene is BCO2.
Immunogen	A synthetic peptide corresponding to mouse Rpe65. The sequence is EVTDNALVNIYPVGEDYYAC
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Mouse
Conjugate	Unconjugated
Applications	WB,
Format	Liquid
Size	100 µg
Buffer	In buffer containing 0.02% sodium azide
Preservative	0.02% Sodium Azide
Storage	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	Rpe65 retinal pigment epithelium 65 [Mus musculus (house mouse)]
Official Symbol	RPE65
Synonyms	RPE65; retinal pigment epithelium 65; LCA2; RP20; rd12; 65kDa; Mord1; A930029L06Rik; retinoid isomerohydrolase; retinol isomerase; modifier of retinal degeneration 1; retinal pigment epithelium, 65 kDa; all-trans-retinyl-palmitate hydrolase; retinal pigment epithelium-specific 65 kDa protein;
Entrez Gene ID	19892
Protein Refseq	NP_084263
UniProt ID	Q91ZQ5
Chromosome Location	3 H4; 3 82.52 cM
Pathway	Disease; Retinol metabolism; Signal Transduction; Visual phototransduction
Function	all-trans-retinyl-ester hydrolase, 11-cis retinol forming activity; all-trans-retinyl-palmitate hydrolase, 11-cis retinol forming activity; hydrolase activity; isomerase activity