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Datasheet for ABIN7118420 **anti-RPE65 antibody**

Overview

Quantity:	100 µg
Target:	RPE65
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RPE65 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	retinal pigment epithelium-specific protein 65kDa
Isotype:	IgG
Purification:	Immunogen affinity purified
Purity:	≥95 % as determined by SDS-PAGE

Target Details

Target:	RPE65
Alternative Name:	RPE65 (RPE65 Products)
Background:	Synonyms:LCA2, mRPE65, rd12, Retinoid isomerohydrolase, Retinol isomerase, RP20, RPE65, sRPE65 Background: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

Target Details

	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.
Molecular Weight:	65kd,61kd
Gene ID:	6121
UniProt:	Q16518

Application Details

Application Notes:	WB: 1:500-1:5000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide and 50 % glycerol pH 7.3,
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	-20°C for 12 months (Avoid repeated freeze / thaw cycles.)
Expiry Date:	12 months