

Goat anti-RPE65 Antibody

Item Number	dAP-1326
Target Molecule	Principle Name: RPE65; Official Symbol: RPE65; All Names and Symbols: mRPE65; sRPE65; retinal pigment epithelium-specific protein 65kDa; LCA2; RP20; rd12; RBP-binding membrane protein; p63; retinal pigment epithelium-specific 61 kDa protein; retinal pigment epithelium-specific protein (65kD); retinitis pigmentosa 20; Accession Number (s): NP_000320.1; Human Gene ID(s): 6121; Non-Human GenID(s):
Immunogen	EVKKNARKAPQPE, is from internal region
Applications	Pep ELISA, WB Species Tested: Rat
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	Lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 32000.
Western Blot	Western Blot: Approx 65kDa band observed in Rat Retina lysates (calculated MW of 60.9kDa according to Human NP_000320.1 and 61.0kDa according to Rat NP_446014.1). Recommended concentration: 0.5-1.5µg/ml. Primary incubation was 1 hour.
IHC	
Reference	Reference(s): Rolling F, Le Meur G, Stieger K, Smith AJ, Weber M, Deschamps JY, Nivard D, Mendes-Madeira A, Provost N, Pereaon Y, Cherel Y, Ali RR, Hamel C, Moullier P, Rolling F. Gene therapeutic prospects in early onset of severe retinal dystrophy: restoration of vision in RPE65 Briard dogs using an AAV

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the end users! This product is sold for **Research Use Only**