

For Research Use Only

LRAT Recombinant antibody, PBS Only

Catalog Number: 85628-1-PBS



Basic Information

Catalog Number: 85628-1-PBS	GenBank Accession Number: BC031053	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 9227	CloneNo.: 243058B5
Source: Rabbit	UNIPROT ID: O95237	
Isotype: IgG	Full Name: lecithin retinol acyltransferase (phosphatidylcholine--retinol O-acyltransferase)	
Immunogen Catalog Number: AG3556	Calculated MW: 230 aa, 26 kDa	
	Observed MW: 26 kDa, 50-54 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human, mouse, rat

Background Information

LRAT belongs to the H-rev107 family. LRAT transfers the acyl group from the sn-1 position of phosphatidylcholine to all-trans retinol, producing all-trans retinyl esters. LRAT plays a critical role in vision. It provides the all-trans retinyl ester substrates for the isomerohydrolase which processes the esters into 11-cis-retinol in the retinal pigment epithelium; due to a membrane-associated alcohol dehydrogenase, LRAT monomers (26kDa) interact in membranes and form functional homodimers (50-54 kDa) through protein-protein interactions and disulfide bond formation. Defects in LRAT are a cause of severe early-onset retinal dystrophy (RD). This antibody was generated against the internal residues of human LRAT. It is predicted to detect endogenous LRAT.

Storage

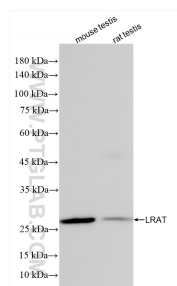
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

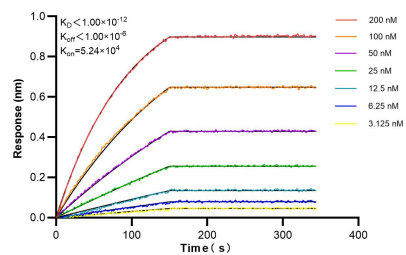
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85628-1-RR (LRAT antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 85628-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 85628-1-RR against Human LRAT were performed. The affinity constant is below 1 pM.