

LRAT Polyclonal antibody

Catalog Number: 51122-1-AP

Basic Information

Catalog Number:

51122-1-AP

Size:

N/A

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC031053

GeneID (NCBI):

9227

UNIPROT ID:

O95237

Full Name:

lecithin retinol acyltransferase
(phosphatidylcholine--retinol O-acyltransferase)

Calculated MW:

230 aa, 26 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

ELISA

Species Specificity:

human

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 (26kd) interact in membranes and form functional homodimers (50-54kd) through protein-protein interactions and disulfide bond formation. Defects in LRAT are a cause of severe early-onset retinal dystrophy (RD).

Storage

Storage:

Store at -20°C.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

