

LRAT Polyclonal Antibody

Catalog number: 12815-1-AP

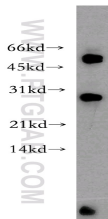
Size: 40 µg/150 µl

Source: Rabbit

Isotype: IgG

Synonyms:

LRAT; LRAT



Y79 cells were subjected to SDS PAGE followed by western blot with 12815-1-AP(LRAT antibody) at dilution of 1:500

Background

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). This antibody was generated against the internal residues of human LRAT. It is predicted to detect endogenous LRAT.

Applications

Tested applications:	ELISA, WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Calculated LRAT MW:	230aa, 26 kDa
Observed LRAT MW:	26 kDa, 50-54 kDa
Positive WB detected in	Y79 cells, mouse testis tissue
Recommended dilution:	WB: 1:200-1:2000

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag3556
GenBank accession number:	BC031053
Gene ID (NCBI):	9227
Full name:	Lecithin retinol acyltransferase (phosphatidylcholine--retinol O-acyltransferase)

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Store at -20°C.