

LRAT Antibody

Catalog No: #33628

Package Size: #33628-1 50ul #33628-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

Product Name	LRAT Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB IHC IF
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous levels of total LRAT protein.
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from internal of human LRAT.
Target Name	LRAT
Other Names	Lecithin retinol acyltransferase; EC 2.3.1.135; Phosphatidylcholine--retinol O-acyltransferase; LRAT;
Accession No.	Swiss-Prot: O95237NCBI Gene ID: 9227
Uniprot	O95237
GeneID	9227;
SDS-PAGE MW	27kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

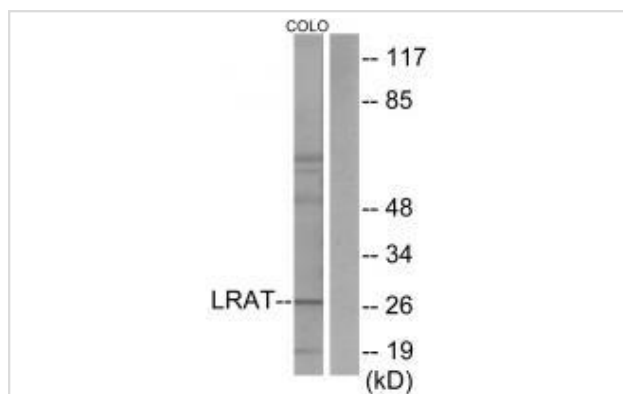
Application Details

Western blotting: 1:500~1:3000

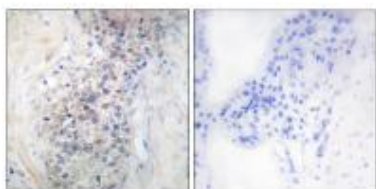
Immunohistochemistry: 1:50~1:100

Immunofluorescence: 1:100~1:500

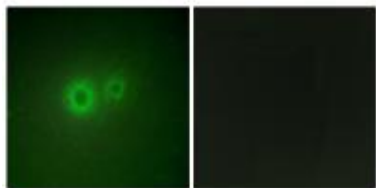
Images



Western blot analysis of extracts from COLO205 cells, using LRAT antibody #33628.



Immunohistochemistry analysis of paraffin-embedded human prostate carcinoma tissue using LRAT antibody #33628.



Immunofluorescence analysis of HUVEC cells, using LRAT antibody #33628.

Background

Transfers the acyl group from the sn-1 position of phosphatidylcholine to all-trans retinol, producing all-trans retinyl esters. Retinyl esters are storage forms of vitamin A. 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, 11 cis-retinol is oxidized and converted into 11-cis-retinaldehyde which is the chromophore for rhodopsin and the cone photopigments.

Ruiz A., J. Biol. Chem. 274:3834-3841(1999).

Mondal M.S., Biochemistry 39:5215-5220(2000).

Thompson D.A., Nat. Genet. 28:123-124(2001).

Note: This product is for in vitro research use only