

Rabbit LRAT Polyclonal Antibody | anti-LRAT antibody

LRAT Antibody

CATALOG # AAA306494	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence, Immunohistochemistry, Western Blot
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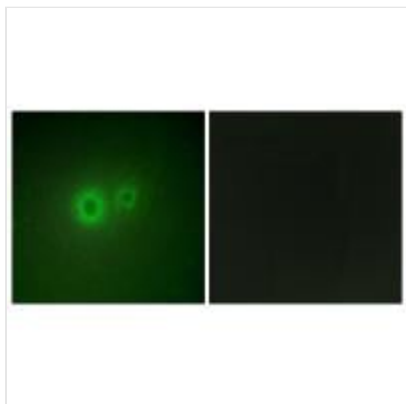
PRODUCT SYNONYMS

LRAT; Polyclonal Antibody; LRAT Antibody; Lecithin retinol acyltransferase; EC 2.3.1.135; Phosphatidylcholine--retinol O-acyltransferase; anti-LRAT antibody

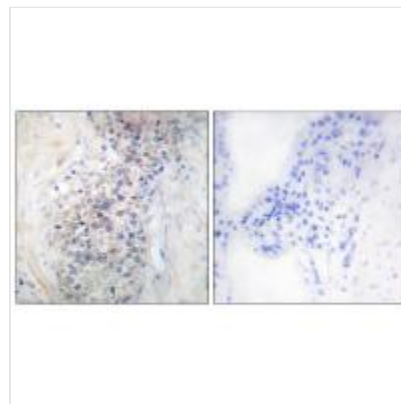
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	The antibody detects endogenous levels of total LRAT protein.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	230
Applicable Applications for anti-LRAT antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from internal of human LRAT.
Target Name	LRAT
Preparation and Storage	Store at -20 degree C

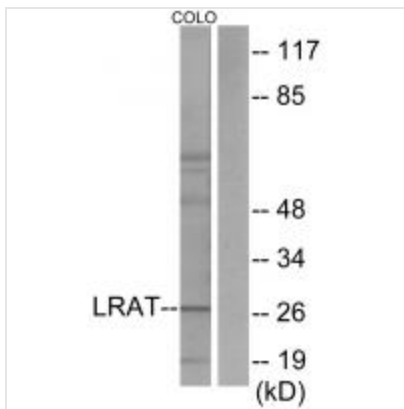
IMAGES


IF (Immunofluorescence)

Immunofluorescence analysis of HUVEC cells, using LRAT antibody.


IHC (Immunohistochemistry)

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



WB (Western Blot)

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

ADDITIONAL INFORMATION

Related Product Information for anti-LRAT antibody	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).
Product Categories/Family for anti-LRAT antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	675022749
NCBI GeneID	9227
NCBI Accession #	NP_001288574.1
NCBI GenBank Nucleotide #	NM_001301645.1
UniProt Accession #	O95237; Q8N716; A8K983
Molecular Weight	SDS-PAGE MW: 27 kd
NCBI Official Full Name	lecithin retinol acyltransferase
NCBI Official Synonym Full Names	lecithin retinol acyltransferase (phosphatidylcholine--retinol O-acyltransferase)
NCBI Official Symbol	LRAT
NCBI Official Synonym Symbols	LCA14
NCBI Protein Information	lecithin retinol acyltransferase
UniProt Protein Name	Lecithin retinol acyltransferase
UniProt Gene Name	LRAT
UniProt Entry Name	LRAT_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.