

LRAT rabbit pAb

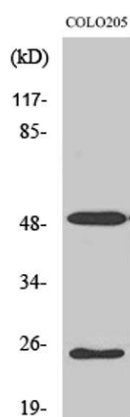
Cat#: orb765599 (Manual)

For research use only. Not intended for diagnostic use.

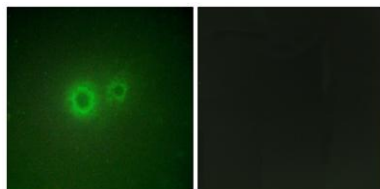
Product Name	LRAT rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human LRAT. AA range:111-160
Specificity	LRAT Polyclonal Antibody detects endogenous levels of LRAT protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Lecithin retinol acyltransferase
Gene Name	LRAT
Cellular localization	Endoplasmic reticulum membrane ; Single-pass membrane protein . Rough endoplasmic reticulum . Endosome, multivesicular body . Cytoplasm, perinuclear region . Present in the rough endoplasmic reticulum and multivesicular body in hepatic stellate cells. Present in the rough endoplasmic reticulum and perinuclear region in endothelial cells (By similarity). .

Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	27kD
Human Gene ID	9227
Human Swiss-Prot Number	O95237
Alternative Names	LRAT; Lecithin retinol acyltransferase; Phosphatidylcholine--retinol O-acyltransferase

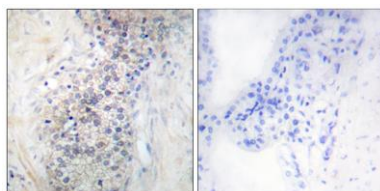
Background lecithin retinol acyltransferase (phosphatidylcholine--retinol O-acyltransferase)(LRAT) Homo sapiens The protein encoded by this gene localizes to the endoplasmic reticulum, where it catalyzes the esterification of all-trans-retinol into all-trans-retinyl ester. This reaction is an important step in vitamin A metabolism in the visual system. Mutations in this gene have been associated with early-onset severe retinal dystrophy and Leber congenital amaurosis 14. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2014],



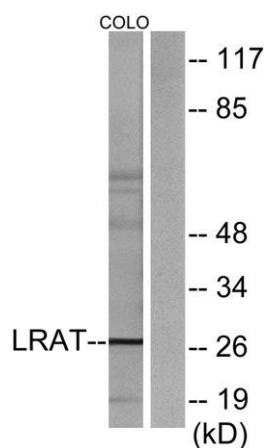
Western Blot analysis of various cells using LRAT Polyclonal Antibody diluted at 1:500



Immunofluorescence analysis of HUVEC cells, using LRAT Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human prostate carcinoma tissue, using LRAT Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from COLO205 cells, using LRAT Antibody. The lane on the right is blocked with the synthesized peptide.