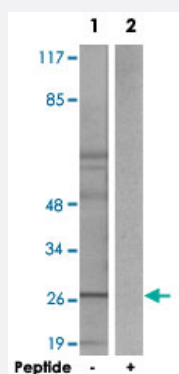


LRAT polyclonal antibody

Catalog # PAB17348

Size 100 ug

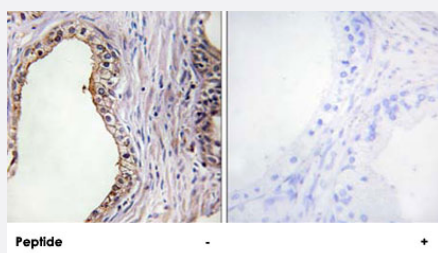
Applications



Western Blot (Cell lysate)

Western blot analysis of extracts from COLO 205 cells, using LRAT polyclonal antibody (Cat # PAB17348).

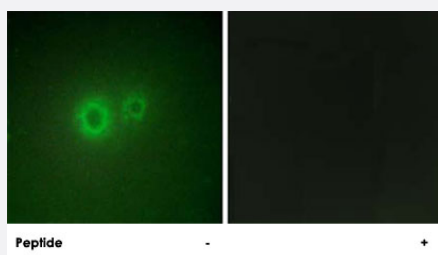
Peptide "+" means "with peptide blocking".



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry analysis of paraffin-embedded human prostate carcinoma tissue using LRAT polyclonal antibody (Cat # PAB17348).

Peptide "+" means "with peptide blocking".



Immunofluorescence

Immunofluorescence analysis of HUVEC cells, using LRAT polyclonal antibody (Cat # PAB17348).

Peptide "+" means "with peptide blocking".

Specification

Product Description

Rabbit polyclonal antibody raised against synthetic peptide of LRAT.

Immunogen	A synthetic peptide corresponding to internal of human LRAT.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Specificity	This antibody detects endogenous levels of total LRAT protein.
Form	Liquid
Recommend Usage	Western Blot (1:500-1:1000) Immunohistochemistry (1:50-1:100) Immunofluorescence (1:500-1:1000) ELISA (1:10000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (150mM NaCl, 0.02% sodium azide, 50% glycerol)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of extracts from COLO 205 cells, using LRAT polyclonal antibody (Cat # PAB17348).
Peptide "+" means "with peptide blocking".

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry analysis of paraffin-embedded human prostate carcinoma tissue using LRAT polyclonal antibody (Cat # PAB17348).
Peptide "+" means "with peptide blocking".

- Immunofluorescence

Immunofluorescence analysis of HUVEC cells, using LRAT polyclonal antibody (Cat # PAB17348).
Peptide "+" means "with peptide blocking".

Gene Info — LRAT

Entrez GeneID	9227
Protein Accession#	O95237

Gene Name	LRAT
Gene Alias	MGC33103
Gene Description	lecithin retinol acyltransferase (phosphatidylcholine--retinol O-acyltransferase)
Omim ID	604863
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a microsomal enzyme that catalyzes the esterification of all-trans-retinol into all-trans-retinyl ester, an essential reaction for the retinoid cycle in visual system and vitamin A status in liver. Mutations in this gene have been associated with early-onset severe retinal dystrophy. [provided by RefSeq]
Other Designations	lecithin retinol acyltransferase

Publication Reference

- [Mutations in the gene encoding lecithin retinol acyltransferase are associated with early-onset severe retinal dystrophy.](#)

Thompson DA, Li Y, McHenry CL, Carlson TJ, Ding X, Sieving PA, Apfelstedt-Sylla E, Gal A.

Nature Genetics 2001 Jun; 28(2):123.

Application: WB-Tr, Human, COS-7 cells

- [Lecithin retinol acyltransferase contains cysteine residues essential for catalysis.](#)

Mondal MS, Ruiz A, Bok D, Rando RR.

Biochemistry 2000 May; 39(17):5215.

- [Molecular and biochemical characterization of lecithin retinol acyltransferase.](#)

Ruiz A, Winston A, Lim YH, Gilbert BA, Rando RR, Bok D.

The Journal of Biological Chemistry 1999 Feb; 274(6):3834.

Application: WB-Tr, Human, HEK 293T cells

Pathway

- [Retinol metabolism](#)

Disease

- [Alzheimer disease](#)
- [Cardiovascular Diseases](#)
- [Cognition](#)
- [Diabetes Complications](#)
- [Genetic Predisposition to Disease](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Osteoporosis](#)
- [Retinal Diseases](#)
- [Retinitis Pigmentosa](#)