

IHC*easy* LPCAT4 Ready-To-Use IHC Kit

Catalog Number: **KHC2570**

General Information

Sample type:
FFPE tissue
Cited sample type:
Reactivity:
Human, Mouse, Rat
Cited Reactivity:

Assay type:
Immunohistochemistry
Primary antibody type:
Rabbit Polyclonal
Secondary antibody type:
Polymer-HRP-Goat anti-Rabbit

Kit Component

Component	Size	Concentration
Antigen Retrieval Buffer	100 mL	50×
Washing Buffer	100 mL ×2	20×
Blocking Buffer	5 mL	RTU
Primary Antibody	5 mL	RTU
Secondary Antibody	5 mL	RTU
Chromogen Component A	0.2 mL	RTU
Chromogen Component B	4 mL	RTU
Signal Enhancer	5 mL	RTU
Counter Staining Reagent	5 mL	RTU
Mounting Media	5 mL	RTU
Control Slide	1 slide (Optional)	FFPE
Datasheet	1 Copy	
Manual	1 Copy	

Storage Instructions

All the reagents are stored at 2-8°C. The kit is stable for 6 months from the date of receipt.

Background

LPCAT4, also known as lysophosphatidylcholine acyltransferase 4, is an enzyme that plays a crucial role in lipid metabolism and membrane remodeling. It is a member of the 1-acylglycerol-3-phosphate O-acyltransferase (EC 2.3.1.51) family and is involved in the conversion of lysophosphatidic acid (LPA) to phosphatidic acid (PA), a precursor in the biosynthesis of all glycerolipids. Both LPA and PA are involved in signal transduction. The protein is predicted to be located in the membrane and is classified as a metabolic protein and enzyme. It is involved in biological processes such as lipid biosynthesis, lipid metabolism, phospholipid biosynthesis, and phospholipid metabolism.

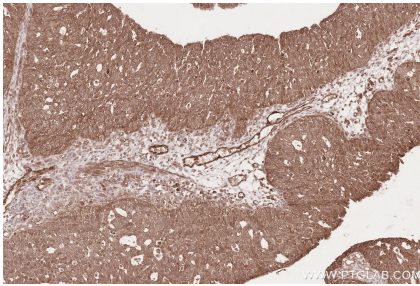
Synonyms

LPCAT4, 1 AGP acyltransferase 7, 1 AGPAT 7, 1-acylgly

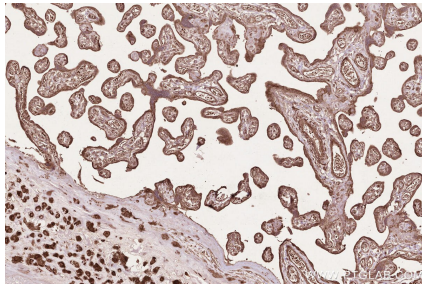
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

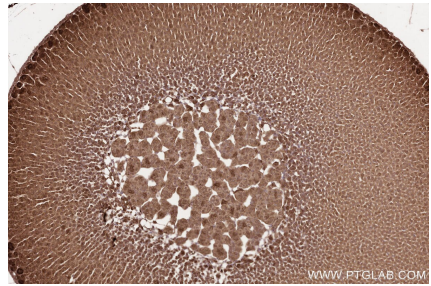
Selected Validation Data



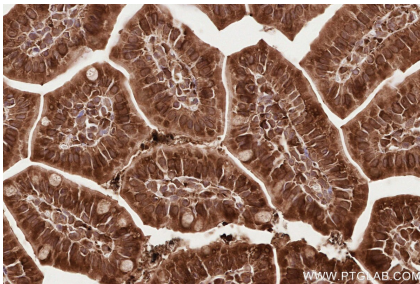
Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using KHC2570 (LPCAT4 IHC Kit).



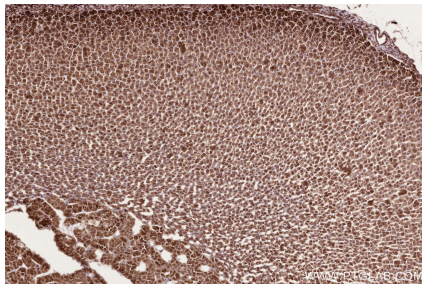
Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using KHC2570 (LPCAT4 IHC Kit).



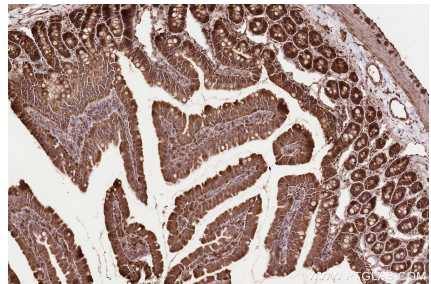
Immunohistochemical analysis of paraffin-embedded mouse adrenal gland tissue slide using KHC2570 (LPCAT4 IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse small intestine tissue slide using KHC2570 (LPCAT4 IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat adrenal gland tissue slide using KHC2570 (LPCAT4 IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat small intestine tissue slide using KHC2570 (LPCAT4 IHC Kit).