

## LPCAT1 RABBIT MAB

**Cat.#:** N262476

**Product Name:** Anti-LPCAT1 Rabbit Monoclonal Antibody

**Synonyms:** AYTL2; lpcat; AGPAT9; PFAAP3; AGPAT10; LPCAT-1; lysoPAFAT

**UNIPROT ID:** Q8NF37

**Background:** Possesses both acyltransferase and acetyltransferase activities (PubMed:16864775, PubMed:21498505). Activity is calcium-independent. Mediates the conversion of 1-acyl-sn-glycero-3-phosphocholine (LPC) into phosphatidylcholine (PC) (PubMed:21498505). Displays a clear preference for saturated fatty acyl-CoAs, and 1-myristoyl or 1-palmitoyl LPC as acyl donors and acceptors, respectively (PubMed:16704971). May synthesize phosphatidylcholine in pulmonary surfactant, thereby playing a pivotal role in respiratory physiology (PubMed:16864775). Involved in the regulation of lipid droplet number and size (PubMed:25491198).

**Immunogen:** Recombinant protein of human LPCAT1

**Applications:** WB,IHC-F,IHC-P,ICC/IF,IP

**Recommended Dilutions:** WB: 1/500-1/1000 IHC: 1/50-1/100 IF: 1/50-1/200 IP: 1/20

**Host Species:** Rabbit

**Clonality:** Rabbit Monoclonal

**Clone ID:** R07-4K3

**MW:** Calculated MW: 59 kDa; Observed MW: 29 kDa

**Isotype:** IgG

**Purification:** Affinity Purified

**Species Reactivity:** Human

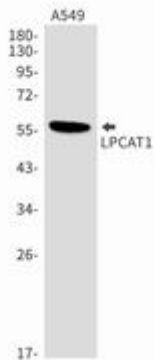
**Conjugation:** Unconjugated

**Modification:** Unmodified

**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.3 containing 50% glycerol, 0.5% BSA and 0.02% sodium azide

**Research Areas:** -

**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



Western blot analysis of LPCAT1 in A549 lysates using LPCAT1 antibody.