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LPCAT3 Rabbit pAb

货号: AYP11615

产品信息

反应	Human,Mouse,Rat
宿主	Rabbit
克隆性	Polyclonal
预测反应	**WB:** Mus musculus , human , Homo sapiens , Rattus norvegicus
应用	WB
推荐浓度	**WB:** 1:100 - 1:500
理论分子量	
实测分子量	56KDa
形式	Liquid
保存条件	Store at -20℃. Avoid freeze / thaw cycles. Buffer: PBS with 0.01% thiomersal,50% glycerol,pH7.3.
偶联物	Unconjugated
阳性对照	HepG2,293F
细胞定位	Endoplasmic reticulum membrane
纯化	Affinity purification

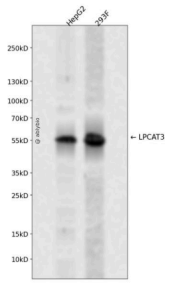
抗原信息

抗原信息	Recombinant fusion protein containing a sequence corresponding to amino acids 160-370 of human LPCAT3 (NP_005759.4).

靶点信息

研究背景	Lysophospholipid O-acyltransferase (LPLAT that catalyzes the reacylation step of the phospholipid remod eling process also known as the Lands cycle. Catalyzes transfer of the fatty acyl chain from fatty acyl-CoA to 1-acyl lysophospholipid to form various classes of phospholipids. Converts 1-acyl lysophosphatidylcholi ne (LPC into phosphatidylcholine (PC (LPCAT activity, 1-acyl lysophosphatidylserine (LPS into phosphatidy lserine (PS (LPSAT activity and 1-acyl lysophosphatidylethanolamine (LPE into phosphatidylethanolamine (PE (LPEAT activity. Favors polyunsaturated fatty acyl-CoAs as acyl donors compared to saturated fatty ac yl-CoAs. Has higher activity for LPC acyl acceptors compared to LPEs and LPSs. Can also transfer the fatty acyl chain from fatty acyl-CoA to 1-O-alkyl lysophospholipid or 1-O-alkenyl lysophospholipid with lower eff iciency (By similarity. Acts as a major LPC O-acyltransferase in liver and intestine. As a component of the liver X receptor/NR1H3 or NR1H2 signaling pathway, mainly catalyzes the incorporation of arachidonate i nto PCs of endoplasmic reticulum (ER membranes, increasing membrane dynamics and enabling triacylgl ycerols transfer to nascent very low-density lipoprotein (VLDL particles.
基因ID	10162
基因名	LPCAT3
Swiss	Q6P1A2 (https://www.uniprot.org/uniprotkb/Q6P1A2/entry)
别名	C3F,LPCAT,LPLAT 5,LPSAT,MBOAT5,OACT5,nessy,LPCAT3,LPCAT3 Rabbit pAb,1-acylglycerophosphocholine O-acyltransferase,1-acylglycerophosphoethanolamine O-acyltransferase,1-acylglycerophosphoserine O-a cyltransferase,Lysophosphatidylcholine acyltransferase,Lysophosphatidylcholine acyltransferase 3

产品验证



Western blot analysis of LPCAT3 expressed in HepG2,293F using LPCAT3 Rabbit pAb at 1:1000. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:5000. Lysates/proteins: 30ug per lane. Blocking buffer: 5% non-fat dry milk in TBST. Detection: ECL Enhanced Kit. Exposure time: 120s.

实验步骤

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