

**MBOA5 rabbit pAb**

<b>Catalog No :</b>	YT8099
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	IHC;WB
<b>Target :</b>	LPCAT3
<b>Gene Name :</b>	LPCAT3 MBOAT5 OACT5
<b>Protein Name :</b>	Lysophospholipid acyltransferase 5 (LPLAT 5) (EC 2.3.1.-) (1-acylglycerophosphocholine O-acyltransferase) (EC 2.3.1.23) (1-acylglycerophosphoserine O-acyltransferase) (EC 2.3.1.n6) (Lysophosphatidylch
<b>Human Gene Id :</b>	10162
<b>Human Swiss Prot No :</b>	Q6P1A2
<b>Mouse Gene Id :</b>	14792
<b>Mouse Swiss Prot No :</b>	Q91V01
<b>Rat Gene Id :</b>	362434
<b>Rat Swiss Prot No :</b>	Q5FVN0
<b>Immunogen :</b>	Synthesized peptide derived from human C-terminal MBOA5
<b>Specificity :</b>	This antibody detects endogenous levels of MBOA5 at Human, Mouse,Rat
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500-2000 IHC 1:50-200
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-

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chromatography using epitope-specific immunogen.

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**Concentration :** 1 mg/ml

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**Storage Stability :** -15°C to -25°C/1 year(Do not lower than -25°C)

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**Molecularweight :** 54kD

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**Function :** Lysophospholipid O-acyltransferase (LPLAT) that catalyzes the reacylation step of the phospholipid remodeling 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 lysophosphatidylcholine (LPC) into phosphatidylcholine (PC) (LPCAT activity), 1-acyl lysophosphatidylserine (LPS) into phosphatidylserine (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 acyl-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 efficiency (By similarity). Acts as a major L

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**Subcellular Location :** Endoplasmic reticulum membrane ; Multi-pass membrane protein .

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**Expression :** Highly expressed in liver, pancreas and adipose tissue. Very low expression in skeletal muscle and heart. Detected in neutrophils.

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**Sort :** 999

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**No4 :** 1

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**Host :** Rabbit

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**Modifications :** Unmodified

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## Products Images