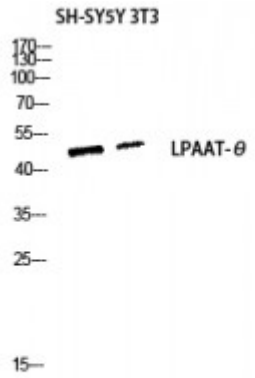
Anti-LPAAT-theta antibody



Description	Rabbit polyclonal to LPAAT-theta.

Model	STJ93949
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, IF, IHC, WB
Immunogen	Synthesized peptide derived from human LPAAT-theta
Immunogen Region	350-430 aa, C-terminal
Gene ID	84803
Gene Symbol	GPAT3
Dilution range	WB 1:500-1:2000IHC 1:100-1:300IF 1:200-1:1000ELISA 1:10000
Specificity	LPAAT-theta Polyclonal Antibody detects endogenous levels of LPAAT-theta protein.
Tissue Specificity	Widely expressed. Expressed in liver, kidney, testis, brain, heart, skeletal muscle, thyroid, prostate, thymus and placenta. Also expressed lung and adipose tissue.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Glycerol-3-phosphate acyltransferase 3 GPAT-3 1-acyl-sn-glycerol-3-phosphate O-acyltransferase 10 AGPAT 10 1-acyl-sn-glycerol-3-phosphate O-acyltransferase 9 1-AGP acyltransferase 9 1-AGPAT 9 Acyl-

	CoA:glycerol-3-p
Molecular Weight	48 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:28157OMIM:610958
Alternative Names	Glycerol-3-phosphate acyltransferase 3 GPAT-3 1-acyl-sn-glycerol-3-phosphate O-acyltransferase 10 AGPAT 10 1-acyl-sn-glycerol-3-phosphate O-acyltransferase 9 1-AGP acyltransferase 9 1-AGPAT 9 Acyl-CoA:glycerol-3-p
Function	May transfer the acyl-group from acyl-coA to the sn-1 position of glycerol-3-phosphate, an essential step in glycerolipid biosynthesis. Also transfers the acyl-group from acyl-coA to the sn-2 position of 1-acyl-sn-glycerol-3-phosphate (lysophosphatidic acid, or LPA), forming 1,2-diacyl-sn-glycerol-3-phosphate (phosphatidic acid, or PA).
Sequence and Domain Family	The HXXXXD motif is essential for acyltransferase activity and may constitute the binding site for the phosphate moiety of the glycerol-3-phosphate.
Cellular Localization	Endoplasmic reticulum membrane