Anti-LPIN2 antibody

Description	Unconjugated Rabbit polyclonal to LPIN2

Model	STJ192442
Host	Rabbit
Reactivity	Human
Applications	ELISA, WB
Immunogen	Synthesized peptide derived from human LPIN2 protein.
Immunogen Region	220-300aa
Gene ID	9663
Gene Symbol	LPIN2
Dilution range	WB 1:500-2000 ELISA 1:5000-20000
Specificity	LPIN2 Polyclonal Antibody detects endogenous levels of protein.
Tissue Specificity	Expressed in liver, lung, kidney, placenta, spleen, thymus, lymph node, prostate, testes, small intestine, and colon.
Purification	LPIN2 antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Phosphatidate phosphatase LPIN2 Lipin-2
Molecular Weight	98 kDa
Clonality	Polyclonal

Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid form in PBS containing 50% glycerol,and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:14450OMIM:605519
Alternative Names	Phosphatidate phosphatase LPIN2 Lipin-2
Function	Plays important roles in controlling the metabolism of fatty acids at different levels. Acts as a magnesium-dependent phosphatidate phosphatase enzyme which catalyzes the conversion of phosphatidic acid to diacylglycerol during triglyceride, phosphatidylcholine and phosphatidylethanolamine biosynthesis in the reticulum endoplasmic membrane. Acts also as a nuclear transcriptional coactivator for PPARGC1A to modulate lipid metabolism .
Sequence and Domain Family	Contains 1 Asp-Xaa-Asp-Xaa-Thr (DXDXT) motif, a catalytic motif known to be essential for phosphatidate phosphatase activity. Contains one Leu-Xaa-Xaa-Ile-Leu (LXXIL) motif, a motif known to be a transcriptional binding motif.
Cellular Localization	Nucleus Cytoplasm, cytosol Endoplasmic reticulum membrane. Translocates to endoplasmic reticulum membrane with increasing levels of oleate.