Product Name: ATGL / PNPLA2 (16Z14) Rabbit Monoclonal Antibody
Catalog #: AMRe07304

Summary

Production Name	ATGL / PNPLA2 (16Z14) Rabbit Monoclonal Antibody
Description	Rabbit Monoclonal Antibody
Host	Rabbit
Application	WB
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% New type preservative N and 0.05% BSA.
Purification	Affinity purification

Immunogen

Gene Name	PNPLA2
Alternative Names	ATGL; Desnutrin; plpl; plpl2; Pnpla2; TTS 2.2; TTS2; TTS2.2; ZETA;
Gene ID	57104.0
SwissProt ID	Q96AD5.Recombinant protein of human Adipose Triglyceride Lipase

Application

Dilution Ratio	WB: 1:1000
Molecular Weight	55kDa

Background

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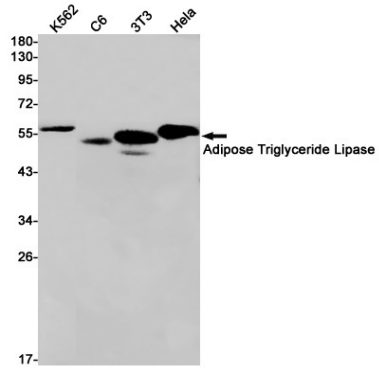
Catalyzes the initial step in triglyceride hydrolysis in adipocyte and non-adipocyte lipid droplets. Also has acylglycerol transacylase activity. May act coordinately with LIPE/HLS within the lipolytic cascade. Regulates adiposome size and may be involved in the degradation of adiposomes. Catalyzes the initial step in triglyceride hydrolysis in adipocyte and non-adipocyte lipid droplets (PubMed:15550674, PubMed:15364929, PubMed:16150821). Exhibits a strong preference for the hydrolysis of long-chain fatty acid esters at the sn-2 position of the glycerol backbone (By similarity). Also has acylglycerol transacylase activity. Acts coordinately with LIPE/HLS and DGAT2 within the lipolytic cascade (By similarity). Transfers fatty acid from triglyceride to retinol, hydrolyzes retinylesters, and generates 1,3- diacylglycerol from triglycerides (PubMed:17603008). Regulates adiposome size and may be involved in the degradation of adiposomes (PubMed:16239926). May play an important role in energy homeostasis. May play a role in the response of the organism to starvation, enhancing hydrolysis of triglycerides and providing free fatty acids to other tissues to be oxidized in situations of energy depletion (By similarity).

Research Area

Image Data



Western blot detection of Adipose Triglyceride Lipase in K562,C6,3T3,Hela cell lysates using Adipose Triglyceride Lipase antibody(1:1000 diluted).

Note

For research use only.