

产品名称: ATGL / PNPLA2 (16Z14) Rabbit Monoclonal Antibody
产品货号: AMRe07304



产品概述 (Summary)

产品名称 (Production Name)	ATGL / PNPLA2 (16Z14) Rabbit Monoclonal Antibody
描述 (Description)	Recombinant rabbit monoclonal antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,IP
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Monoclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% New type preservative N and 0.05% protective protein.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

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

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:200-1:500,ICC/IF 1:100-1:200,IP 1:20-1:50
蛋白分子量 (Molecular Weight)	55kDa

研究背景 (Background)

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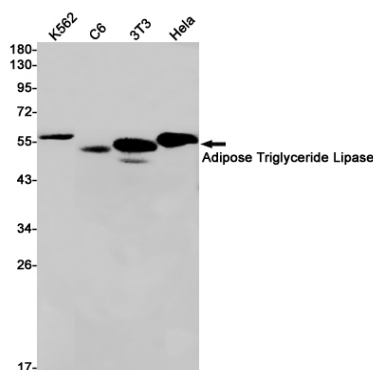


Catalyzes the initial step in triglyceride hydrolysis in adipocyte and non-adipocyte lipid droplets. Also has acylglycerol transacylase activity. May act coordinately with LIPE/HLS within the lipolytic cascade. Regulates adiposome size and may be involved in the degradation of adiposomes. Catalyzes the initial step in triglyceride hydrolysis in adipocyte and non-adipocyte lipid droplets (PubMed: [15550674](http://www.uniprot.org/citations/15550674), PubMed: [15364929](http://www.uniprot.org/citations/15364929), PubMed: [16150821](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/17603008)). Regulates adiposome size and may be involved in the degradation of adiposomes (PubMed: [16239926](http://www.uniprot.org/citations/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).

研究领域 (Research Area)

Cardiovascular

图片 (Image Data)



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

注意事项 (Note)

For research use only .