ATGL rabbit pAb

货号	YP-Ab-18140
同位型	IgG
应用	WB
种属	Human;Mouse;Rat
靶点	PNPLA2
基因名称	PNPLA2 ATGL FP17548
蛋白名称	Patatin-like phospholipase domain-containing protein 2 (EC 3.1.1.3) (Adipose triglyceride lipase) (Calcium-independent phospholipase A2) (Desnutrin) (IPLA2-zeta) (Pigment epithelium-derived factor)
免疫原	Synthesized peptide derived from human ATGL
特异性	This antibody detects endogenous levels of ATGL at Human, Mouse,Rat
组成	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
来源	Polyclonal, Rabbit,IgG
稀释	WB 1:500-2000
纯化工艺	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
分子量	55kD
功能	Catalyzes the initial step in triglyceride hydrolysis in adipocyte and non-adipocyte lipid droplets . Exhibits a strong preference for the hydrolysis of long-chain fatty acid esters at the sn-2 position of the glycerol backbone and acts coordinately with LIPE/HLS and DGAT2 within the lipolytic cascade (By similarity). Also possesses acylglycerol transacylase and phospholipase A2 activities . Transfers fatty acid from triglyceride to retinol, hydrolyzes retinylesters, and generates 1,3-diacylglycerol from triglycerides . Regulates adiposome size and may be involved in the degradation of adiposomes . May play an important role in energy homeostasis (By similarity). 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).
细胞定位	Lipid droplet . Cell membrane ; Multi-pass membrane protein . Cytoplasm .
组织表达	Highest expression in adipose tissue. Also detected in heart, skeletal muscle, and portions of the gastrointestinal tract. Detected in normal retina and retinoblastoma cells. Detected in retinal pigment epithelium and, at lower intensity,
浓度	1 mg/ml
储存	-15°C to -25°C/1 year(Do not lower than -25°C)
有关注意事项	Avoid repeated freezing and thawing!

使用建议	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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