

Product datasheet for **TA355162**

Adipose Triglyceride Lipase (PNPLA2) Mouse Monoclonal Antibody [Clone ID: AT18E6]

Product data:

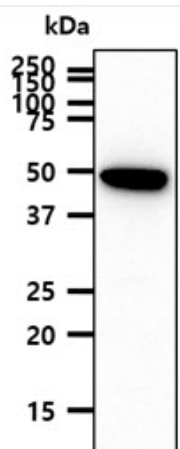
Product Type:	Primary Antibodies
Clone Name:	AT18E6
Applications:	ELISA, FC, ICC, WB
Recommended Dilution:	Western blot: 1/1000-1/2000
Reactivity:	Human, Mouse
Host:	Mouse
Clonality:	Monoclonal
Immunogen:	Recombinant human PNPLA2 (30-504aa) purified from E. coli
Specificity:	The antibody recognizes PNPLA2 (ATGL).
Formulation:	Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol
Concentration:	lot specific
Purification:	Protein-G affinity chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	55 kDa
Gene Name:	patatin like phospholipase domain containing 2
Database Link:	NP_065109 Entrez Gene 57104 Human Q96AD5
Background:	Adipose triglyceride lipase (ATGL) is a 504 amino acid protein that is highly expressed in mouse and human adipose tissue. ATGL catalyzes the initial step in triglyceride hydrolysis in adipocyte lipid droplets and has acylglycerol transacylase activity. Inhibition of ATGL markedly decreases total adipose acyl-hydrolase activity. Thus, ATGL and hormone-sensitive lipase coordinately catabolize stored triglycerides in adipose tissue of mammals.



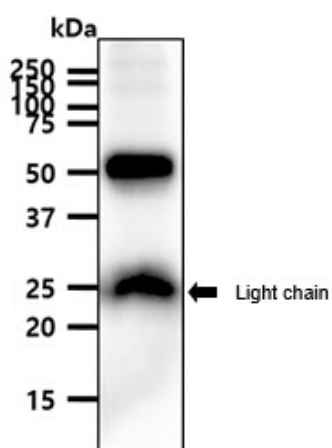
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Synonyms: 1110001C14Rik; ATGL; DESNUTRIN; DKFZp667M109; FP17548; IPLA2-zeta; PEDF-R; TTS-2.2; TTS2; TTS2.2

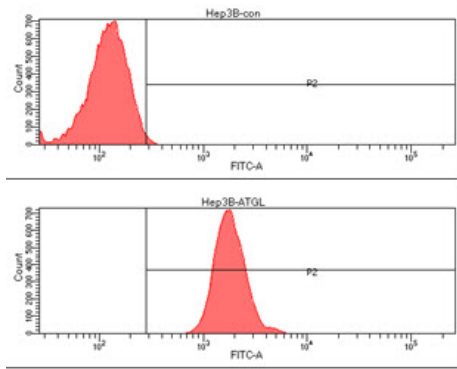
Product images:



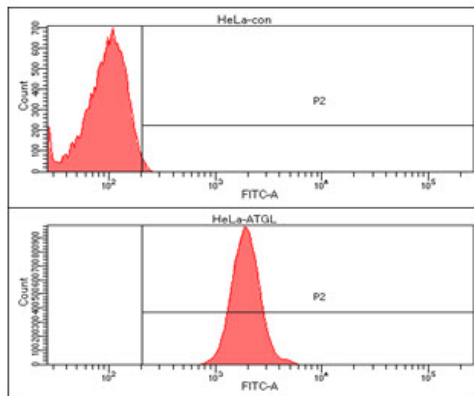
The A431 cell lysate (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human ATGL antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.



The mouse adipose tissue lysate (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human ATGL antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.



Flow cytometry analysis of ATGL in Hep3B cells. The cell was stained with anti-human ATGL antibody at 2-5ug for 1x10⁶ cells (red). A Goat anti mouse IgG (Alexa fluor 488) was used as the secondary antibody. Mouse monoclonal IgG was used as the isotype control (dark gray), cells without incubation with primary and secondary antibody was used as the negative control (light gray).



Flow cytometry analysis of ATGL in HeLa cells. The cell was stained with anti-human ATGL antibody at 2-5ug for 1x10⁶ cells (red). A Goat anti mouse IgG (Alexa fluor 488) was used as the secondary antibody. Mouse monoclonal IgG was used as the isotype control (dark gray), cells without incubation with primary and secondary antibody was used as the negative control (light gray).