Anti-Adipose Triglyceride Lipase Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R011456

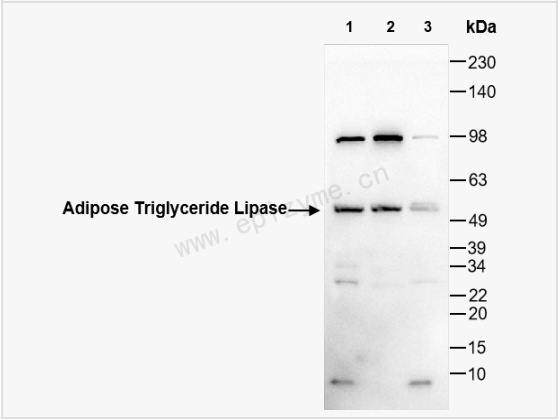
Product Information

Application	WB, IHC-P/IF (Tissue-P), ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	11L57K82
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant protein of human Adipose Triglyceride Lipase
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20℃. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20℃ storage.
Precautions	Anti-Adipose Triglyceride Lipase Rabbit mAb [11L57K82] is for research use only and not for use in diagnostic or therapeutic procedures.

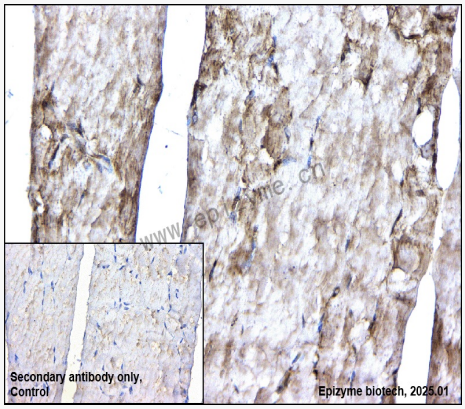
Protein Information

Synonyms	1110001C14Rik, Adipose triglyceride lipase, ATGL, ATGL DESNUTRIN, Calcium independent phospholipase A2, Calcium-independent phospholipase A2, Desnutrin, EC 3.1.1.3, FP17548, IPLA2 zeta, IPLA2-zeta, Mutant patatin like phospholipase domain containing 2, Patatin like phospholipase domain containing 2, PATATIN LIKE PHOSPHOLIPASE DOMAIN CONTAINING PROTEIN 2, Patatin-like phospholipase domain-containing protein 2, PEDF R, PHOSPHOLIPASE A2 CALCIUM INDEPENDENT ZETA, Pigment epithelium derived factor, Pigment epithelium-derived factor, plpl2, PLPL2_HUMAN, Pnpla2, Transport secretion protein 2, Transport secretion protein 2.2, Transport-secretion protein 2, Triglyceride hydrolase, TTS 2.2, TTS2, TTS2.2, ZETA.
Calculated MW	Calculated MW: 55 kDa; Observed MW: 55 kDa
Uniprot ID	Q96AD5
Gene ID	57104
Background	This gene encodes an enzyme which catalyzes the first step in the hydrolysis of triglycerides in adipose tissue. Mutations in this gene are associated with neutral lipid storage disease with myopathy. [provided by RefSeq, Jul 2010]
Cellular Location	Lipid droplet. Cell membrane.

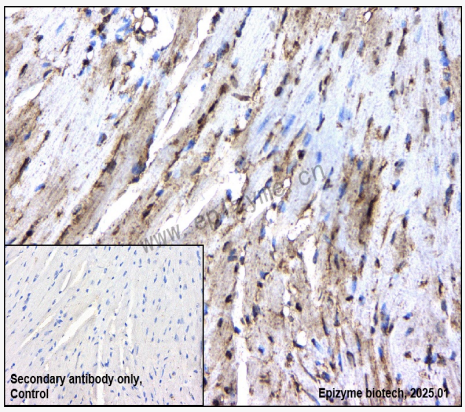
Validation Images



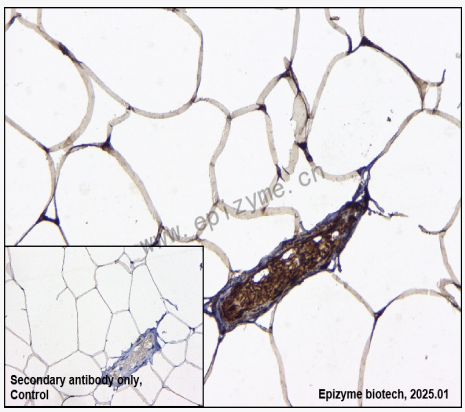
Western Blot - Anti-Adipose Triglyceride Lipase Rabbit mAb [11L57K82]
All lanes: R011456 at 1:1,000 dilution
Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates
Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates
Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates
Lysates/proteins at 10 µg per lane.
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution
Predicted band size: 55 kDa
Observed band size: 55 kDa
Developed using the ECL technique (Cat. No. SQ201).



Immunohistochemistry - Anti-Adipose Triglyceride Lipase Rabbit mAb [11L57K82]
Sample: Paraformaldehyde-fixed, paraffin embedded rat muscle tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R011456 at 1:100 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.
Counter stained with hematoxylin.
Positive/negative staining were presented.
Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-Adipose Triglyceride Lipase Rabbit mAb [11L57K82]
Sample: Paraformaldehyde-fixed, paraffin embedded mouse heart tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R011456 at 1:100 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.
Counter stained with hematoxylin.
Positive/negative staining were presented.
Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-Adipose Triglyceride Lipase Rabbit mAb [11L57K82]
Sample: Paraformaldehyde-fixed, paraffin embedded human adipose tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R011456 at 1:100 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.
Counter stained with hematoxylin.
Positive/negative staining were presented.
Only the secondary antibody was used as the negative control.