

Adipose Triglyceride Lipase Rabbit mAb

Catalog No: #52124

Package Size: #52124-1 50ul #52124-2 100ul

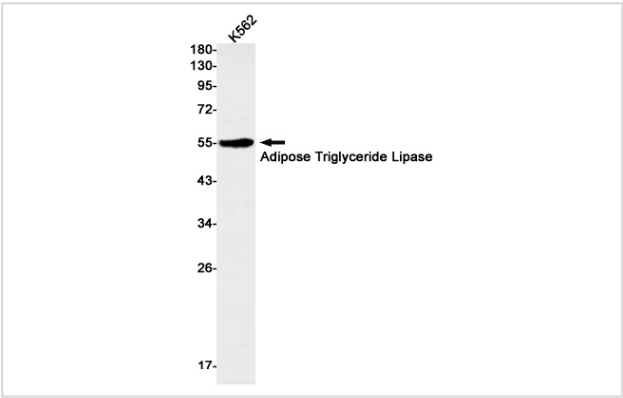
Description

Product Name	Adipose Triglyceride Lipase Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal
Clone No.	S08-3F5
Isotype	Rabbit IgG
Purification	Affinity Purified
Applications	WB
Species Reactivity	Human,Mouse,Rat
Immunogen Description	A synthetic peptide of human Adipose Triglyceride Lipase
Conjugates	Unconjugated
Modification	Unmodification
Other Names	ATGL; TTS2; PEDF-R; FP17548; TTS-2.2; iPLA2zeta; 1110001C14Rik
Accession No.	Swiss-Prot:Q96AD5GeneID:57104
Calculated MW	Calculated MW: 55 kDa; Observed MW: 55 kDa
Concentration	0.3 mg/ml
Formulation	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

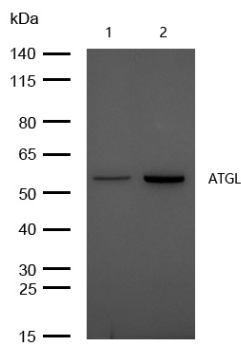
Application Details

WB: 1/1000

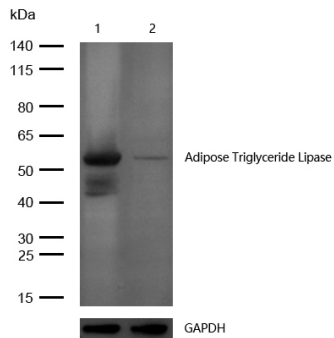
Images



Western blot detection of Adipose Triglyceride Lipase in K562 cell lysates using Adipose Triglyceride Lipase Rabbit mAb(1:500 diluted).Predicted band size:55kDa.Observed band size:55kDa.



All lanes : ATGL Rabbit mAb at 1/1k dilution Lane 1 : 3T3 whole cell lysates Lane 2 : C6 whole cell lysates
Lysates/proteins at 20 µg per lane. Secondary All lanes : Goat Anti-Rabbit IgG H&L (HRP) at 1/20000 dilution
Predicted band size: 55 kDa Observed band size: 55 kDa
Exposure time: 5 seconds



All lanes : ATGL Rabbit mAb at 1/1k dilution Lane 1 : Wild-type HAP1 cell lysate Lane 2 : ATGL knockout HAP1 cell lysate Lysates/proteins at 20 µg per lane.

Background

Swiss-Prot Acc.Q96AD5.Catalyzes the initial step in triglyceride hydrolysis in adipocyte and non-adipocyte lipid droplets (PubMed:15550674). 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 (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.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.