

# Anti-Adipose Triglyceride Lipase Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

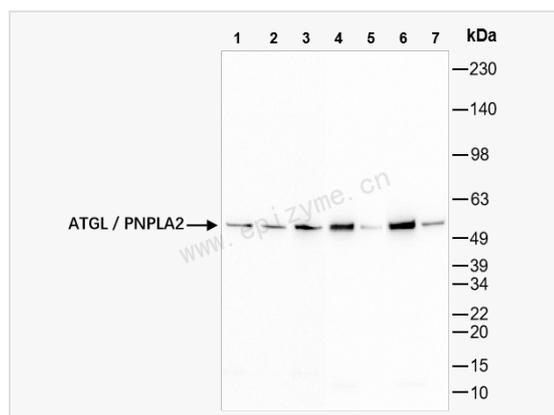
Catalog # R015895

## Product Information

Application	WB, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:2,000
Host	Rabbit
Clonality	Monoclonal
Clone No.	70E93R91
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human ATGL / PNPLA2
Format	Affinity purified monoclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Adipose Triglyceride Lipase Rabbit mAb [70E93R91] is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

Synonyms	ATGL; FP17548; PNPLA2; Patatin-like phospholipase domain-containing protein 2; Adipose triglyceride lipase; Calcium-independent phospholipase A2-zeta; Desnutrin; Pigment epithelium-derived factor receptor; TTS2.2; Transport-secretion protein 2; iPLA2-zeta; PEDF-R; TTS2.
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. Multi-pass membrane protein. Cytoplasm.
Tissue Location	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, in the inner segments of photoreceptors and in the ganglion cell layer of the neural retina (at protein level).



Western Blot - Anti-Adipose Triglyceride Lipase Rabbit mAb [70E93R91]

All lanes: R015895 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: K562 (Human chronic myeloid leukemia cell) whole cell lysates

Lane 4: Mouse heart whole tissue lysates

Lane 5: Mouse muscle whole tissue lysates

Lane 6: Rat heart whole tissue lysates

Lane 7: Rat muscle whole tissue lysates

Lysates/proteins at 10  $\mu$ g 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).