

Anti-ATGL / PNPLA2 Rabbit Monoclonal Antibody

Catalog Number: M01800

About PNPLA2

Furin is likely to represent the ubiquitous endoprotease activity within constitutive secretory pathways and capable of cleavage at the RX (K/R) R consensus motif.

Overview

Product Name	Anti-ATGL / PNPLA2 Rabbit Monoclonal Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-ATGL / PNPLA2 Rabbit Monoclonal Antibody catalog # M01800. Tested in WB application. This antibody reacts with Human, Mouse, Rat.
Conjugate	FITC
Application	WB
Clonality	Monoclonal 23P38
Formulation	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q96AD5

Technical Details

Immunogen	A synthesized peptide derived from human ATGL / PNPLA2
Predicted Reactive Species	Human, Primate
Cross Reactivity	Detects ~20kDa. Does not cross-react with alphaB-crystallin, betaL-crystallin, ̢H- crystallin, gamma-crystallin, HSP25, HSP27 or HSP47 proteins.
Isotype	IgG
Form	Liquid
Concentration	Actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure.
Purification	Affinity-chromatography

Suggested Dilutions

Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.

If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.

Some PubMed article(s) citing the expression level of this target are as follows:

Boster Bio's internal QC testing used:

WB 1:500-1:2000

Anti-ATGL / PNPLA2 Rabbit Monoclonal Antibody (M01800) Images

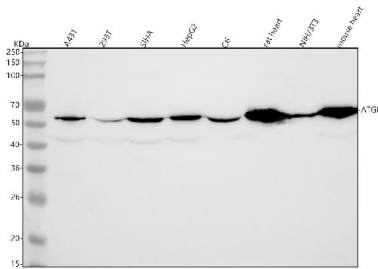


Figure 1. Western blot analysis of ATGL/PNPLA2 using anti-ATGL/PNPLA2 antibody (M01800).

Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: human A431 whole cell lysates,
Lane 2: human 293T whole cell lysates,
Lane 3: human SiHa whole cell lysates,
Lane 4: human HepG2 whole cell lysates,
Lane 5: rat C6 whole cell lysates,
Lane 6: rat heart tissue lysates,
Lane 7: mouse NIH/3T3 whole cell lysates,
Lane 8: mouse heart tissue lysates.

After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-ATGL/PNPLA2 antigen affinity purified monoclonal antibody (Catalog # M01800) at 1:500 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:1000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for ATGL/PNPLA2 at approximately 55 kDa. The expected band size for ATGL/PNPLA2 is at 55 kDa.

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