

Anti-ATG101 Antibody Picoband®

Catalog Number: A07713-2

About ATG101

Enables identical protein binding activity. Involved in autophagosome assembly and negative regulation of cell population proliferation. Located in phagophore assembly site. Part of Atg1/ULK1 kinase complex. Biomarker of cholangiocarcinoma; colon cancer; and hepatocellular carcinoma.

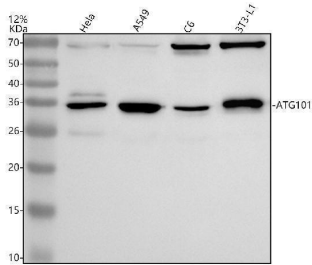
Overview

Product Name	Anti-ATG101 Antibody Picoband®
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-ATG101 Antibody Picoband® catalog # A07713-2. Tested in WB, ELISA applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	ELISA, WB
Clonality	Polyclonal
Formulation	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Storage Instructions	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	Q9BSB4

Technical Details

Immunogen	E.coli-derived human ATG101 recombinant protein (Position: Q53-A199).
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.25-0.5 ug/ml, Human, Mouse, Rat ELISA, 0.1-0.5 ug/ml

Anti-ATG101 Antibody Picoband® (A07713-2) Images



Western blot analysis of ATG101 using anti-ATG101 antibody (A07713-2). Electrophoresis was performed on a 12% SDS-PAGE gel at 80V (Stacking gel) / 120V (Resolving gel) for 2 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human HeLa whole cell lysates, Lane 2: human A549 whole cell lysates, Lane 3: rat C6 whole cell lysates, Lane 4: mouse 3T3-L1 whole cell 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-ATG101 antigen affinity purified polyclonal antibody (A07713-2) at 0.5 ug/mL 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 1:5000 for 1.5 hour at RT. The signal is developed using an ECL Plus Western Blotting Substrate (Catalog # AR1196-200) with Tanon 5200 system. A specific band was detected for ATG101 at approximately 35 kDa. The expected band size for ATG101 is at 25 kDa.

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Anti-ATG101 Antibody

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