BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Apg3/ATG3 Antibody Picoband®

Catalog Number: A01768-1

About ATG3

This ATG3 gene encodes a ubiquitin-like-conjugating enzyme and is a component of ubiquitination-like systems involved in autophagy, the process of degradation, turnover and recycling of cytoplasmic constituents in eukaryotic cells. And the protein is known to play a role in regulation of autophagy during cell death. A pseudogene of this gene is located on chromosome 20. Alternative splicing results in multiple transcript variants encoding different isoforms.

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Overview

Product Name	Anti-Apg3/ATG3 Antibody Picoband®
Reactive Species	Human, Monkey, Mouse
Description	Boster Bio Anti-Apg3/ATG3 Antibody Picoband® catalog # A01768-1. Tested in WB applications. This antibody reacts with Human, Monkey, Mouse. 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	WB
Clonality	Polyclonal
Formulation	Each vial contains 4 mg Trehalose, 0.9 mg NaCl and 0.2 mg Na2HPO4.
Storage Instructions	Store 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 freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q9NT62

Technical Details

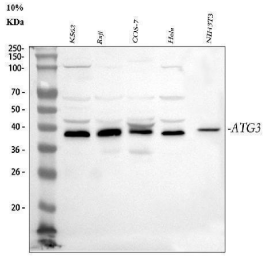
Immunogen	E.coli-derived human Apg3 recombinant protein (Position: M1-T244). Human Apg3 shares 96.7% and 96.3% amino acid (aa) sequence identity with mouse and rat Apg3, respectively.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western

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	blot.
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
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, 0.1-0.5ug/ml, Human, Monkey, Mouse

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Anti-Apg3/ATG3 Antibody Picoband® (A01768-1) Images



Western blot analysis of Apg3 using anti-Apg3 antibody (A01768-1). 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 K562 whole cell lysates, Lane 2: human Raji whole cell lysates, Lane 3: monkey COS-7 whole cell lysates, Lane 4: human Hela whole cell lysates, Lane 5: mouse NIH/3T3 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-Apg3 antigen affinity purified polyclonal antibody (Catalog # A01768-1) at 0.25 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 Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for Apg3 at approximately 36-40 kDa. The expected band size for Apg3 is at 36 kDa.

Anti-Apg3/ATG3 Antibody

For Research Use Only. Not for use in diagnostic procedures.