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antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Apg7/ATG7 Antibody Picoband® Fluoro594 Conjugated

Catalog Number: PA2261-Fluoro594

About ATG7

Autophagy-related protein 7 is a protein that in humans is encoded by the ATG7 gene. It is mapped to 3p25.3. This gene was identified based on homology to Pichia pastoris GSA7 and Saccharomyces cerevisiae APG7. In the yeast, the protein appears to be required for fusion of peroxisomal and vacuolar membranes. The protein also shows homology to the ATP-binding and catalytic sites of the E1 ubiquitin activating enzymes. ATG7 is essential for the Apg12 conjugation system that mediates membrane fusion in autophagy. It is found that when nutrients are limited, ATG7 can regulate p53-dependent cell cycle and cell death pathways.

Overview

Product Name	Anti-Apg7/ATG7 Antibody Picoband® Fluoro594 Conjugated
Reactive Species	Human, Mouse, Rat
Application	Recommended applications are based on the parent unconjugated antibody (Flow Cytometry, WB). Customers may select suitable applications according to their experimental needs.
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na2HPO4, 0.02% NaN3.
Storage Instructions	At -20˚C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	O95352

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Apg7, different from the related mouse sequence by one amino acid, and from the related rat sequence by two amino acids.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Fluoro594 Excitation Wavelength: 593 nm Emission Wavelength: 618 nm

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Suggested Dilutions	Optimal dilutions should be determined by end users.

2 Publications Citing This Product

1. PubMed ID: 29552291, Erbin exerts a protective effect against inflammatory bowel disease by suppressing autophagic cell death

2. PubMed ID: 27383629, Nrf2 signalling andautophagyare involved in diabetes mellitus-induced defects in the development of mouse placenta

Visit bosterbio.com/anti-apg7-antibody-pa2261-boster.html to see all 2 publications.

Anti-Apg7/ATG7 Antibody - Fluoro594

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