

Anti-Atg7 (Apg7) Monoclonal Antibody

Catalog Number: M00346-1

About ATG7

C3 plays a central role in the activation of the complement system. Its processing by C3 convertase is the central reaction in both classical and alternative complement pathways. After activation C3b can bind covalently, via its reactive thioester, to cell surface carbohydrates or immune aggregates.

Overview

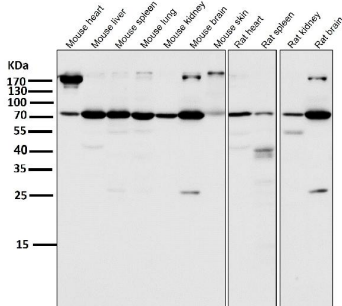
Product Name	Anti-Atg7 (Apg7) Monoclonal Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Atg7 (Apg7) Monoclonal Antibody catalog # M00346-1. Tested in WB, ICC/IF applications. This antibody reacts with Human, Mouse, Rat.
Conjugate	FITC
Application	IF, ICC, WB
Clonality	Monoclonal ACHA-1
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	O95352

Technical Details

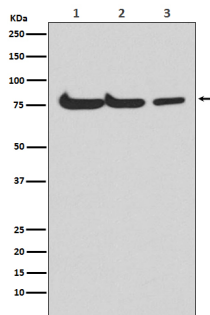
Immunogen	A synthesized peptide derived from human Atg7 (Apg7) Formation of the autophagosome involves a ubiquitin-like conjugation system in which Atg12 is covalently bound to Atg5 and targeted to autophagosome vesicles. This conjugation reaction is mediated by the ubiquitin E1-like enzyme Atg7 and the E2-like enzyme Atg10.
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	Rabbit IgG
Form	Liquid

Concentration	Actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure.
Purification	Affinity-chromatography
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>WB 1:1000-1:5000</p> <p>ICC/IF 1:50-1:200</p>

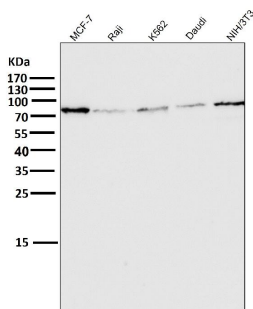
Anti-Atg7 (Apg7) Monoclonal Antibody (M00346-1) Images



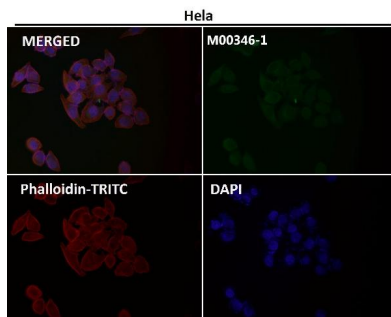
All lanes use the Antibody at 1:1W dilution for 1 hour at room temperature.



Western blot analysis of Atg7(Apg7) expression in (1) HepG2 cell lysate; (2) Mouse spleen lysate; (3) Rat kidney lysate.



All lanes use the Antibody at 1:1W dilution for 1 hour at room temperature.



Immunofluorescent analysis using the Antibody at 1:50 dilution.

1 Publications Citing This Product

1. PubMed ID: 27383629, Nrf2 signalling and autophagy are involved in diabetes mellitus-induced defects in the development of mouse placenta

Visit bosterbio.com/anti-atg7-apg7-antibody-m00346-1-boster.html to see all 1 publications.

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