Atg16L1 Antibody

Rabbit Polyclonal

Antigen Affinity Purified

Catalog No. A303-294A

Lot No. A303-294A-1

Protein ID NP_110430.5

GeneID 55054

APPLICATIONS	WB, IP
SPECIES REACTIVITY	Human
PRESUMED REACTIVITY	Based on 100% sequence identity, this antibody is predicted to react with Orangutan
AMOUNT	100 µl
CONCENTRATION	200 µg/ml
STORAGE/SHELF LIFE	2 - 8° C / 1 year from date of receipt
PHYSICAL STATE	Liquid
BUFFER	Tris-buffered Saline containing 0.1% BSA and 0.09% Sodium Azide
ISOTYPE	IgG
ORIGIN	USA
PRODUCTION PROCEDURES	Antibody was affinity purified using an epitope specific to Atg16L1 immobilized on solid support. The epitope recognized by A303-294A maps to a region between residue 50 and 100 of human ATG16 Autophagy Related 16-like 1 using the numbering given in entry NP_110430.5 (GeneID 55054). Antibody concentration was determined by extinction coefficient: absorbance at 280 nm of 1.4 equals 1.0 mg of IgG.
APPLICATIONS	Centrifuge tube to remove product from lid. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use.

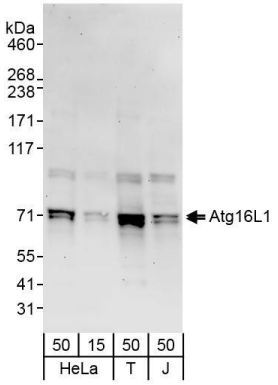
Western Blot	1:2,000 - 1:10,000
Immunoprecipitation	2 - 10 µg/mg lysate

APPLICATION NOTES	Western blot of immunoprecipitates performed using Normal Pig Serum (Cat. No. S100-020), Goat anti-Rabbit Light Chain HRP Conjugate (Cat. No. A120-113P) and 4-8% SDS-PAGE (link to IP-western blot protocol in Additional Info section below). Western blot of lysates performed using standard western blot reagents and 4-8% SDS-PAGE.
ADDITIONAL INFO	https://www.bethyl.com/product/A303-294A Use the link above to view SDS, a current list of citations, and other product specific information. IP-western blot protocol https://www.bethyl.com/content/protocol_IP_WB

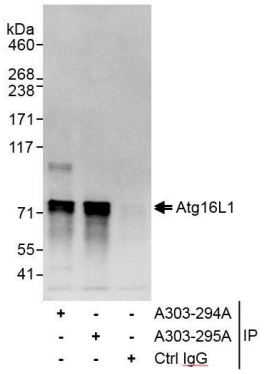
This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.

Eric McIntush, PhD | Chief Scientific Officer

Date: October 15, 2019



Detection of human Atg16L1 by western blot. *Samples:* Whole cell lysate from HeLa (15 and 50 µg), HEK293T (T; 50 µg) and Jurkat (J; 50 µg) cells prepared using NETN lysis buffer. *Antibodies:* Affinity purified rabbit anti-Atg16L1 antibody A303-294A (lot A303-294A-1) used at 0.04 µg/ml. *Detection:* Chemiluminescence with exposure time of 3 minutes.



Detection of human Atg16L1 by western blot of immunoprecipitates. *Samples:* Whole cell lysate (1 mg for IP, 20% of IP loaded) from HeLa cells prepared using NETN lysis buffer. *Antibodies:* Affinity purified rabbit anti-Atg16L1 antibody A303-294A (lot A303-294A-1) used for IP at 6 µg/mg lysate. Atg16L1 was also immunoprecipitated by rabbit anti-Atg16L1 antibody A303-295A. For blotting immunoprecipitated Atg16L1, A303-294A was used at 1 µg/ml. *Detection:* Chemiluminescence with exposure time of 3 seconds.