Product datasheet

Anti-ATG16L1 Antibody

Catalog Number: *A00526-3*

BOSTER
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
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Basic Information

Product Name	Anti-ATG16L1 Antibody
Gene Name	ATG16L1
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human
Tested Application	WB, IHC, ICC/IF, ELISA
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
Immunogen	E.coli-derived human ATG16L1 recombinant protein (Position: R66-K359).
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	68 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-400 Immunocytochemistry/Immunofluorescence (ICC/IF): 1:50-400 Enzyme linked immunosorbent assay (ELISA): 1:100-1000 (Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.

Storage

12 months from date of receipt，-20℃ as supplied.

Background Information

Autophagy related 16 like 1 is a protein that in humans is encoded by the ATG16L1 gene. The protein encoded by this gene is part of a large protein complex that is necessary for autophagy, the major process by which intracellular components are targeted to lysosomes for degradation. Defects in this gene are a cause of susceptibility to inflammatory bowel disease type 10 (IBD10). Several transcript variants encoding different isoforms have been found for this gene.

Selected Validation Data

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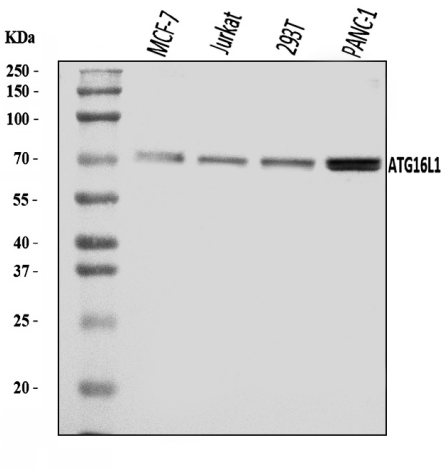
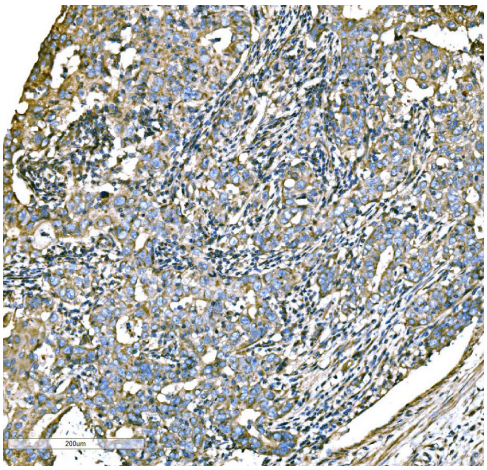
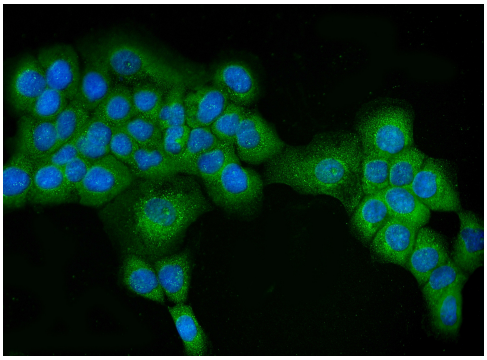


Western blot analysis of ATG16L1 using anti-ATG16L1 antibody (A00526-3). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: MCF-7 whole cell lysates,
Lane 2: Jurkat whole cell lysates,
Lane 3: 293T whole cell lysates,
Lane 4: PANC-1 whole cell lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-ATG16L1 antigen affinity purified polyclonal antibody (A00526-3) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for ATG16L1 at approximately 68 kDa. The expected band size for ATG16L1 is at 68 kDa.



IHC analysis of ATG16L1 using anti-ATG16L1 antibody (A00526-3). ATG16L1 was detected in a paraffin-embedded section of human the renal pelvis is squamous metaplasia tissue. Biotinylated goat anti-rabbit IgG was used as secondary antibody. The tissue section was incubated with rabbit anti-ATG16L1 Antibody (A00526-3) at a dilution of 1:200 and developed using Strepavidin-Biotin-Complex (SABC) (Catalog # SA1022) with DAB (Catalog # AR1027) as the chromogen.



ICC/IF analysis of ATG16L1 using anti-ATG16L1 antibody (A00526-3). ATG16L1 was detected in an immunocytochemical section of A431 cells. The section was incubated with rabbit anti-ATG16L1 Antibody (A00526-3) at a dilution of 1:100. Fluoro488 Conjugated Goat Anti-Rabbit IgG (Green) (Catalog # BA1127) was used as secondary antibody. The section was counterstained with DAPI (Catalog # AR1176) (Blue).

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