ATG7 Rabbit Polyclonal Antibody

CAB0691

Product Information

Size:

20uL, 50uL, 100uL, 200uL

Observed MW:

78KDa

Calculated MW:

68kDa/75kDa/77kDa

Applications:

WB IHC IF

Reactivity:

Human, Mouse, Rat

Antibody Information

Recommended dilutions:
WB 1:500 - 1:2000 IHC 1:50
- 1:200 IF 1:50 - 1:200

Source:
Rabbit

Isotype:
IgG

Purification:
Affinity purification

Protein Background

This gene encodes an E1-like activating enzyme that is essential for autophagy and cytoplasmic to vacuole transport. The encoded protein is also thought to modulate p53-dependent cell cycle pathways during prolonged metabolic stress. It has been associated with multiple functions, including axon membrane trafficking, axonal homeostasis, mitophagy, adipose differentiation, and hematopoietic stem cell maintenance. Alternative splicing results in multiple transcript variants.

Immunogen information

Gene ID:
10533

Uniprot
O95352

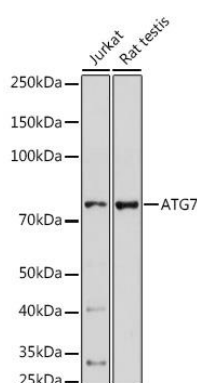**Synonyms:**
ATG7; APG7-LIKE; APG7L; GSA7; Apg7/Atg7

Immunogen:
Recombinant fusion protein containing a sequence corresponding to amino acids 500-676 of human ATG7 (NP_001129503.2).
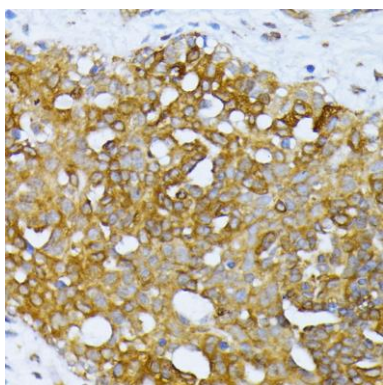
Storage:
Store at -20℃. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
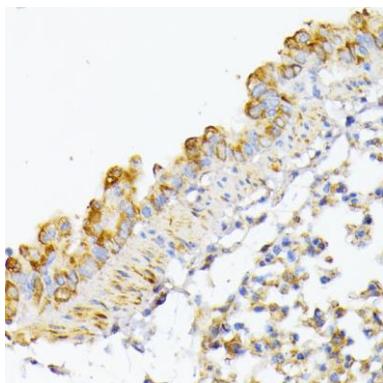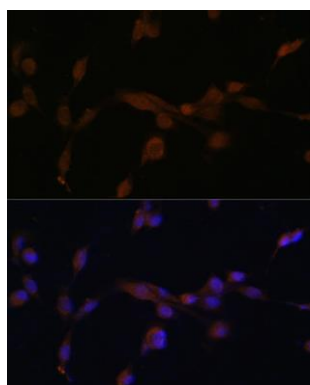
Product Images

Western blot analysis of extracts of various cell lines, using ATG7 antibody (CAB0691) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 90s.

Immunohistochemistry of paraffin-embedded human breast cancer using ATG7 antibody (CAB0691) at dilution of 1:100 (40x lens).

Immunohistochemistry of paraffin-embedded mouse lung using ATG7 antibody (CAB0691) at dilution of 1:100 (40x lens).

Immunofluorescence analysis of NIH/3T3 cells using ATG7 antibody (CAB0691) at dilution of 1:100. Blue: DAPI for nuclear staining.