

Anti-Autophagy-related protein 7 (ATG7) Antibody

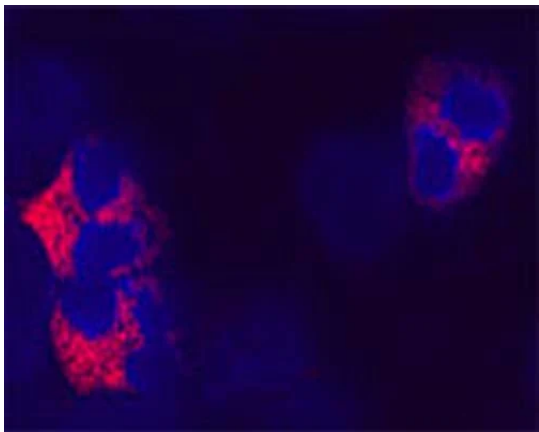


Product Details

Available Variants	100 µL (SKU:R-161-100)
Conjugate	Unconjugated
Isotype	Mixed
Host Species	Rabbit
Format	Whole serum
Physical State	Lyophilized
Applications	IHC, WB
Dilution Ranges	WB: 1:100 IHC: 1:100 ICC: 1:100
Species Reactivity	Human, Rat
Immunogen	A synthetic peptide (DSTRDRTLQQC) corresponding to the C-terminal of human APG7 protein conjugated to blue carrier protein has been used as the immunogen. The peptide is homologous with the corresponding sequence derived from APG7 protein in mouse, rat, <i>S. cerevisiae</i> , <i>Macaca mulatta</i> (monkey) and <i>Canis familiaris</i> (dog).
Specificity	IF, WB and ELISA confirmed the specificity for ATG7. Human, rat. Other species not yet tested.
Storage	Spin vial briefly before opening. Reconstitute in 100 µL sterile-filtered, ultrapure water. Centrifuge to remove any insoluble material. Store lyophilized antibody at 2-8°C. After reconstitution keep aliquots at -20°C for a higher stability, and at 2-8°C with an appropriate antibacterial agent. Glycerol (1:1) may be added for an additional stability. Avoid repetitive freeze/thaw cycles.
UniProt ID	<u>O95352</u>
Country of Origin	United States

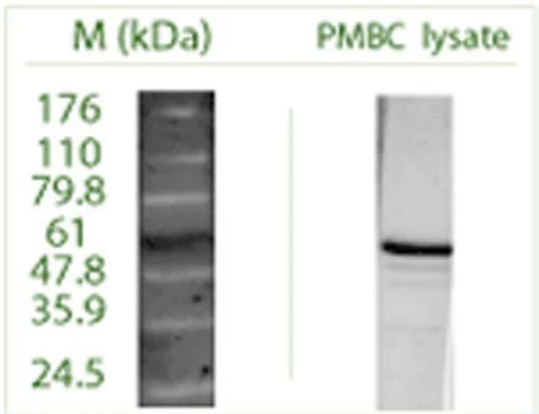
Shipping	25°C (ambient)
Expiration	12 months after date of receipt (unopened vial).
Usage Statement	For research use only.

Product Images

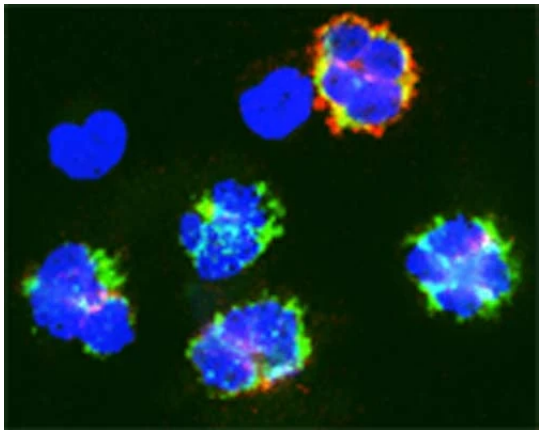


Confocal microscopy on cytopspin-isolated human blood cells. Neutrophils seem to be stained using Rabbit antibody to ATG7: whole serum (R-161-100) at a dilution of 1: 100, incubated for 1 h at room temperature. The cells stained for **ATG7** appear in **red** . The cells were counter stained with **Hoechst Dye (blue colour)**. Here, the merged picture is presented.

Observations: No staining was observed using the Pre-immunisation serum. No staining was observed in HL60 cell line.



Western blot on Peripheral Blood Mononuclear Cells, non-reduced, (PMBC) lysate using Rabbit antibody to ATG7: whole serum (R-161-100) at a dilution of 1:100 (ECL).



Confocal microscopy on immunofluorescently detected APG7 in cytopspin-isolated human white blood cells using Rabbit antibody to ATG7: whole serum (R-161-100) at a dilution of 1: 100, incubated for 1 h at room temperature. The cells were double-stained for APG7 appearing in red and Myeloperoxidase (MPO) appearing in green. The cells were then counter stained with Hoechst Dye (blue colour). Here, the merged picture is presented.

Product Page URL: www.antibodiesinc.com/products/anti-autophagy-related-protein-7-atg7-antibody-r-161-100



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