

Anti-Autophagy-related protein 3 (ATG3) Antibody

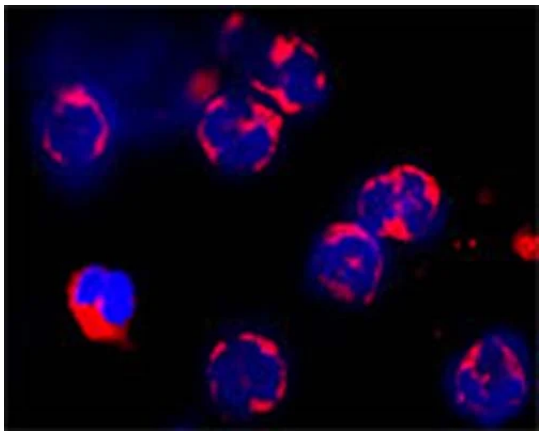


Product Details

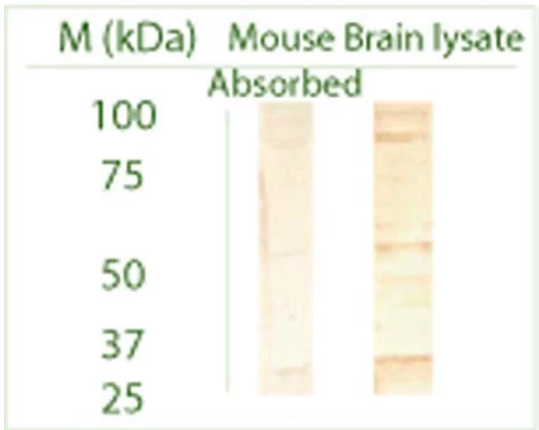
Available Variants	100 µL (SKU:R-159-100)
Conjugate	Unconjugated
Isotype	Mixed
Host Species	Rabbit
Format	Whole serum
Physical State	Lyophilized
Applications	IHC, WB
Dilution Ranges	WB: 1:50-1:3000 IHC: 1:50-1:3000
Species Reactivity	Human, Mouse, Rat
Immunogen	A synthetic peptide corresponding to a central region of the human ATG3 protein [aa. 151 EGEAADMEEYE 161] conjugated to Blue Carrier Protein has been used as the immunogen. The peptide is highly conserved and homologous with the corresponding sequence derived from ATG3 protein in mouse, rat, <i>S. cerevisiae</i> , <i>Macaca mulatta</i> (monkey), <i>Canis familiaris</i> (dog), and many more species.
Specificity	IHC, WB and ELISA confirmed the specificity for ATG3. A 37 kDa band, that corresponds to the molecular weight of ATG3, is detected via Western blot analysis. Human, rat, mouse. Other species not yet tested.
Molecular Weight	37 kDa
Storage	Spin vial briefly before opening. Reconstitute in 100 µL sterile-filtered, ultrapure water. Centrifuge to remove any insoluble material. 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>Q9NT62</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.

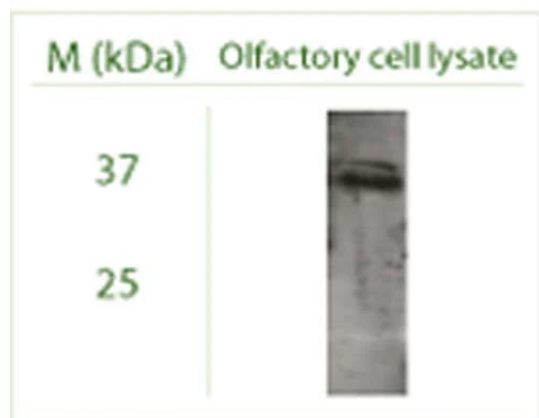
Product Images



Confocal microscopy on immunofluorescently detected ATG3 in cytospin-isolated human white blood cells using Rabbit antibody to ATG3: whole serum (R-159-100) at a dilution of 1: 100, incubated for 1 h at room temperature. The cells stained for **ATG3** appear in **red** . The cells were counter stained with **Hoechst Dye (blue** colour). Here, the merged picture is presented. **More information on the staining:**
 Fixation: In acetone for 90 seconds. Antibody dilutions: Primary antibody was diluted 1:100 and incubated for 1 hour, washed then 3x, and the secondary (Goat anti Rb 1:100 Alexa 546 conjugate) was incubated for 30 minutes. Magnification 80X. No staining was observed using the Pre-immunisation serum. No staining was observed in HL60 cell line using Rabbit antibody to ATG3: whole serum (R-159-100)



Western blot on mouse brain lysate using Rabbit antibody to ATG3: whole serum (R-159-100) at a dilution of 1: 50. Absorbption with the immunising peptide almost removed the three main bands otherwise visible on the unabsorbed strip.



Western blot under reducing conditions on 293 cell lysate using Rabbit antibody to ATG3: whole serum (R-159-100) at a dilution of 1: 50.

Product Page URL: www.antibodiesinc.com/products/anti-autophagy-related-protein-3-atg3-antibody-r-159-100



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