

# Product Datasheet

## ATG5 Antibody - BSA Free NBP1-76992

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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[technical@novusbio.com](mailto:technical@novusbio.com)

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**NBP1-76992**

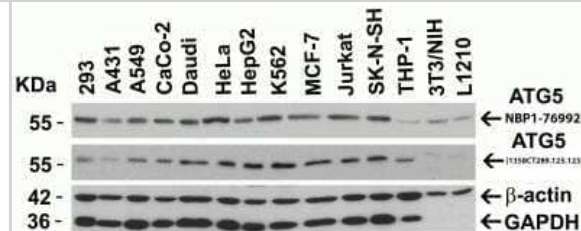
ATG5 Antibody - BSA Free

<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	1.0 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgY
<b>Purity</b>	Peptide affinity purified
<b>Buffer</b>	PBS
<b>Target Molecular Weight</b>	55 kDa
<b>Product Description</b>	
<b>Host</b>	Chicken
<b>Gene ID</b>	9474
<b>Gene Symbol</b>	ATG5
<b>Species</b>	Human, Mouse
<b>Specificity/Sensitivity</b>	Three isoforms of ATG5 are known to exist; this ATG5 antibody will only detect the longest isoform. Human ATG5 has 2 isoforms, including isoform L (275aa, 32.4kD) and isoform S (197aa, 22.9kD). This antibody detects only human isoform L. Mouse ATG5 has 1 isoform (275aa, 32.4kD). Rat ATG5 has only one isoform identified so far (275aa, 32.4kD).
<b>Immunogen</b>	This ATG5 antibody was raised against a 16 amino acid synthetic peptide from near the amino terminus of human ATG5. The immunogen is located within the first 50 amino acids of ATG5. Amino Acid Sequence: LYQDEITEREAPYYL
<b>Notes</b>	Chicken products cannot be exported to Canada.
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, ELISA, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot 1 - 2 ug/mL, ELISA 1:100 - 1:2000, Immunohistochemistry 1:10 - 1:500, Immunohistochemistry-Paraffin 2.5 ug/mL

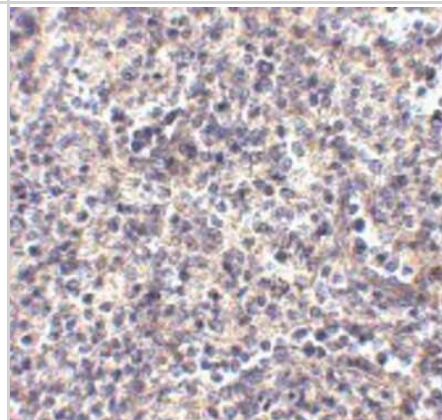


## Images

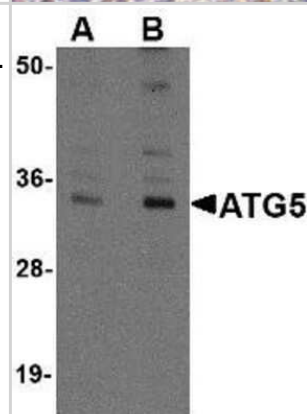
Western Blot: ATG5 Antibody [NBP1-76992] - IAV via Protein Expression Profile in Cell Lines. Antibodies: ATG5, beta-actin, and GAPDH. Secondary antibody: Goat anti-chicken or goat anti-mouse IgG HRP conjugate.



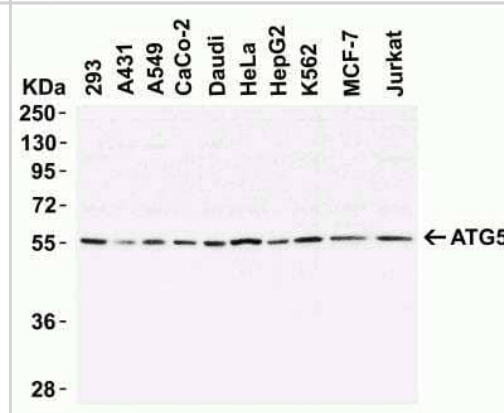
Immunohistochemistry-Paraffin: ATG5 Antibody [NBP1-76992] - Immunohistochemistry analysis of human spleen tissue with ATG5 antibody at 2.5 ug/mL.



Western Blot: ATG5 Antibody [NBP1-76992] - Western blot analysis of mouse spleen tissue lysate with ATG5 antibody at (A) 1 and (B) 2 ug/mL.



Western Blot: ATG5 Antibody [NBP1-76992] - Western blot analysis of various cell lysates, 15 ug of lysates per lane. Secondary antibody: Goat anti-chicken IgG HRP conjugate.



## Publications

Yildirim D, Bender O, Karagoz Z et al. Role of autophagy and evaluation the effects of microRNAs 214, 312, 34c and prorenin receptor in a rat model of focal segmental glomerulosclerosis Life Sciences 2021-06-01 [PMID: 34087284]



### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

www.novusbio.com  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Products Related to NBP1-76992**

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BAF010	Goat anti-Chicken IgY Secondary Antibody [Biotin]
NB7276	Goat anti-Chicken IgM Heavy Chain Secondary Antibody
NB110-53818PEP	ATG5 Antibody Blocking Peptide
210-TA-005	TNF-alpha [Unconjugated]

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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