

Product Datasheet

ATG5 Antibody - BSA Free NBP2-54702

Unit Size: 100 ul

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

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NBP2-54702

ATG5 Antibody - BSA Free

Product Information	
Unit Size	100 ul
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

Product Description	
Description	Novus Biologicals Rabbit ATG5 Antibody - BSA Free (NBP2-54702) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-ATG5 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	9474
Gene Symbol	ATG5
Species	Human
Immunogen	This ATG5 antibody was developed against a Recombinant Protein corresponding to amino acids: MSCMKEADALKHKSQVINEMQKKDHKQLWMGLQNDRFDQFWAINRKLMEYP AEENGFRIYIPFRIYQTTTERPFIQKLFRPVAADGQLHTLGDLLKEVCPSAIDPED GEKKNQVMIHGIEPMLETPLQWLSEHLSYPDNFL

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 0.04 - 0.4 ug/mL, Immunohistochemistry 1:50 - 1:200, Immunocytochemistry/ Immunofluorescence 0.25 - 2 ug/mL, Immunohistochemistry-Paraffin 1:50 - 1:200
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

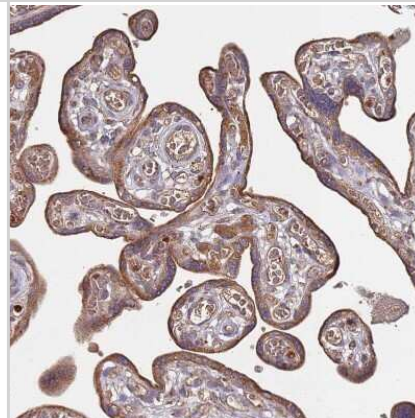


Images

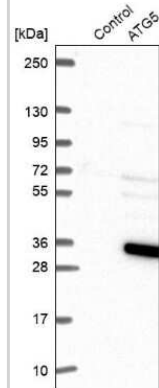
Immunohistochemistry-Paraffin: ATG5 Antibody [NBP2-54702] - Immunohistochemistry analysis of human endometrium shows moderate cytoplasmic positivity in glandular cells.



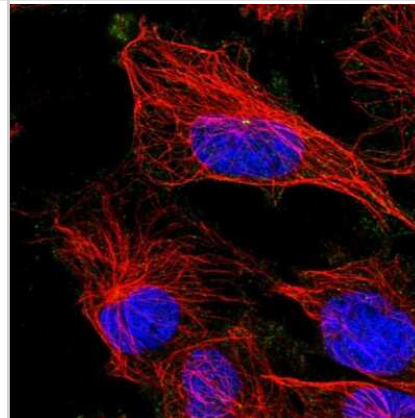
Immunohistochemistry-Paraffin: ATG5 Antibody [NBP2-54702] - Immunohistochemistry analysis of human placenta shows moderate cytoplasmic positivity in trophoblastic cells.



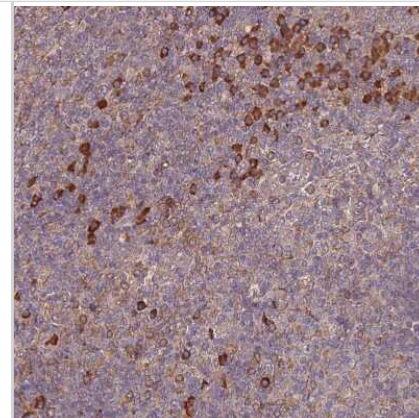
Western Blot: ATG5 Antibody [NBP2-54702] - Western blot analysis in control (vector only transfected HEK293T lysate) and ATG5 over-expression lysate (Co-expressed with a C-terminal myc-DDK tag (3.1 kDa) in mammalian HEK293T cells).



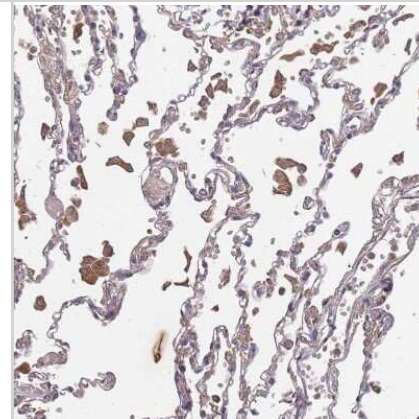
Immunocytochemistry/Immunofluorescence: ATG5 Antibody [NBP2-54702] - Immunocytochemistry analysis of human cell line U-251 MG shows localization to centrosome. Antibody staining is shown in green.



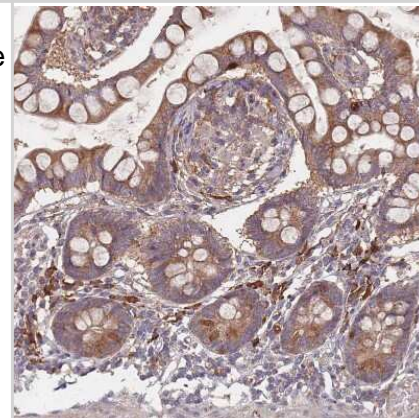
Immunohistochemistry-Paraffin: ATG5 Antibody [NBP2-54702] - Immunohistochemistry analysis of human tonsil shows moderate to strong cytoplasmic positivity in a subset of lymphoid cells.



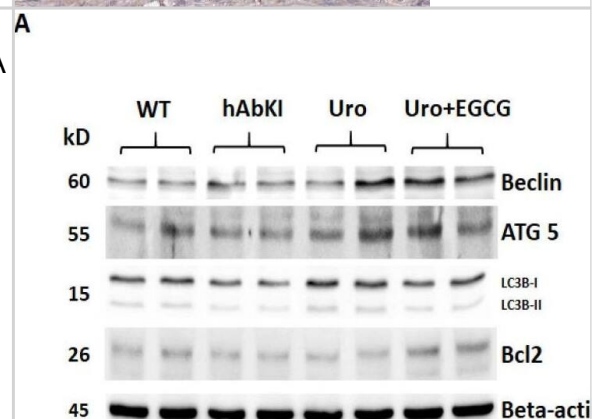
Immunohistochemistry-Paraffin: ATG5 Antibody [NBP2-54702] - Immunohistochemistry analysis of human lung shows moderate cytoplasmic positivity in macrophages.



Immunohistochemistry-Paraffin: ATG5 Antibody [NBP2-54702] - Immunohistochemistry analysis of human small intestine shows moderate to strong cytoplasmic positivity in glandular cells and lymphoid cells.



Immunoblotting analysis of autophagy proteins in lysates obtained from brains of seven-month-old hAbKI and treated hAbKI mice with Urolithin A and EGCG. (A) Representative autophagy immunoblots for hAbKI mice and treated hAbKI mice with Urolithin A and EGCG. (B) Quantitative-densitometry analysis for autophagy proteins ATG5, Beclin, BCL2, LC3B-I and LC3B-II showed they were significantly increased in the treated hAbKI mice with Urolithin A and EGCG as compared to hAbKI mice. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/36078067>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Kiss MG, Papac-Mili?evi? N, Porsch F et al. Cell-autonomous regulation of complement C3 by factor H limits macrophage efferocytosis and exacerbates atherosclerosis Immunity 2023-07-18 [PMID: 37499656] (IHC, Mouse)



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Products Related to NBP2-54702

NBP2-54702PEP	ATG5 Recombinant Protein Antigen
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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