

Product Datasheet

ATG14 Antibody - BSA Free NBP2-36445-0.1mg

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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NBP2-36445-0.1mg

ATG14 Antibody - BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
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	Peptide affinity purified
Buffer	PBS
Target Molecular Weight	54 kDa

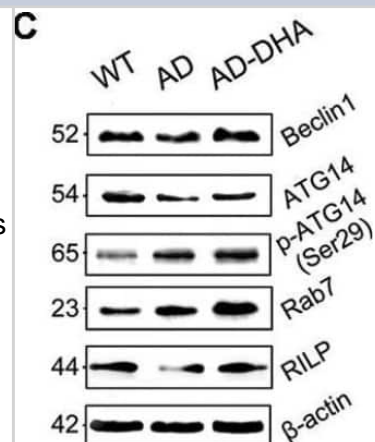
Product Description	
Description	Novus Biologicals Rabbit ATG14 Antibody - BSA Free (NBP2-36445) is a polyclonal antibody validated for use in WB, ELISA and ICC/IF. Anti-ATG14 Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	22863
Gene Symbol	ATG14
Species	Human, Mouse, Rat
Specificity/Sensitivity	At least three isoforms of ATG14 are known to exist; this antibody will detect all three isoforms
Immunogen	Antibody was raised against an 18 amino acid synthetic peptide near the center of human ATG14. The immunogen is located within amino acids 270 - 320 of ATG14. Amino Acid Sequence: VEEKKTTQGPDMESNPA

Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	Western Blot 1-2 ug/ml, ELISA 1:100-1:2000, Immunocytochemistry/ Immunofluorescence 20 ug/ml

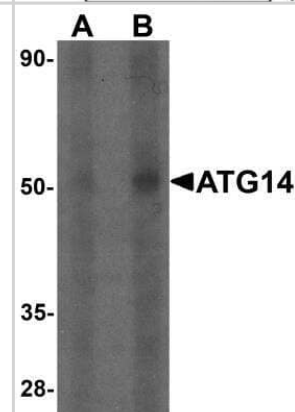


Images

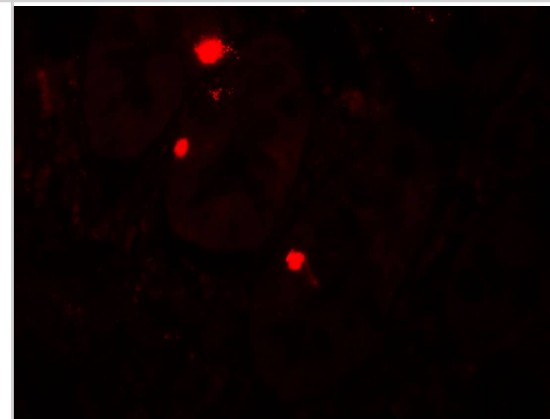
Western Blot: ATG14 Antibody - BSA Free [NBP2-36445] - ATG14 Antibody [NBP2-36445] - DHA increases the basal level of autophagy. Protein levels of ATG5, ATG12, ATG16L1, Beclin1, ATG14, p-ATG14 (Ser29), Rab7, RILP, Lamp1, CTSB, p-mTOR(Ser2448), mammalian target of rapamycin (mTOR), ULK1, p-GSK3Beta (Ser9), GSK3Beta in extracts of whole brain tissue were detected by WB. Representative Western blots are presented in panels, and quantification of the results is shown as the mean values \pm SD in panels (B,D,F,H). *p less than 0.05, **p less than 0.01, and ***p less than 0.001 between two groups. One-way analysis of variance/Newman-Keuls test was performed for all WB data. Image collected and cropped by CiteAb from the following publication (<http://www.frontiersin.org/article/10.3389/fnagi.2020.00047/full>) licensed under a CC-BY license.



Western Blot: ATG14 Antibody - BSA Free [NBP2-36445] - ATG14 Antibody [NBP2-36445] - Analysis of ATG14 in human small intestine tissue lysate with ATG14 antibody at (A) 1 and (B) 2 μ g/mL.



Immunocytochemistry/ Immunofluorescence: ATG14 Antibody - BSA Free [NBP2-36445] - Immunofluorescence of ATG14 in human small intestine tissue with ATG14 antibody at 20 μ g/mL.



Publications

Long Z, Chen J, Zhao Y et al. Dynamic changes of autophagic flux induced by A β in the brain of postmortem Alzheimer's disease patients, animal models and cell models Aging (Albany NY) 2020-06-13 [PMID: 32535554] (WB, Mouse)

Zhao Y, Long Z, Ding Y et al. Dihydroartemisinin Ameliorates Learning and Memory in Alzheimer's Disease Through Promoting Autophagosome-Lysosome Fusion and Autolysosomal Degradation for A β Clearance Front Aging Neurosci 2020-03-02 [PMID: 32210783] (WB, Mouse)

Chen Chen, Yang Shenglan, Li Huaping et al. Mir30c Is Involved in Diabetic Cardiomyopathy through Regulation of Cardiac Autophagy via BECN1. Molecular Therapy. Nucleic Acids 2017-03-29 [PMID: 28624189] (WB, Mouse)



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Products Related to NBP2-36445-0.1mg

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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