

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

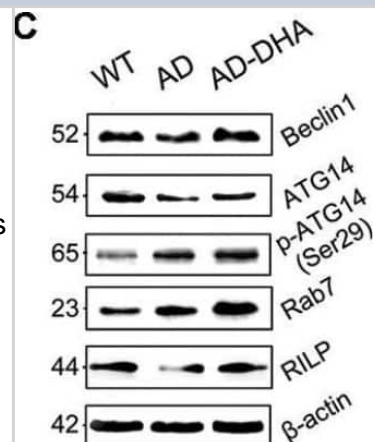
ATG14 Antibody - BSA Free

| 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 | |
| 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 |

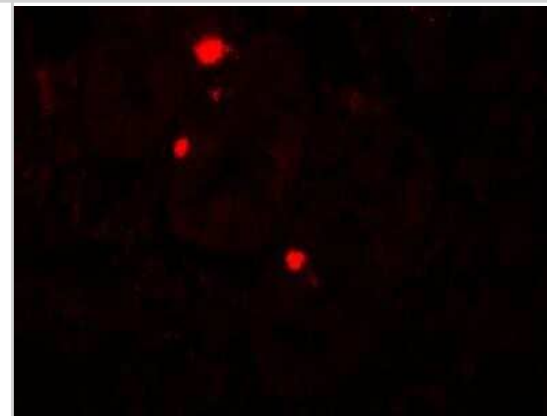


Images

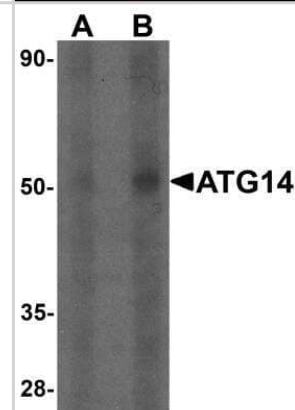
Western Blot: ATG14 Antibody - BSA Free [NBP2-36445] - ATG14 Antibody [NBP2-36445] - DHA increases the basal level of autophagy. Protein levels of ATG5, ATG12, ATG16L1, Beclin1, ATG14, p-ATG14 (Ser29), Rab7, RILP, Lamp1, CTSB, p-mTOR(Ser2448), mammalian target of rapamycin (mTOR), ULK1, p-GSK3Beta (Ser9), 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.



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



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.



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)



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 NBP2-36445-0.1mg

| | |
|------------|---|
| HAF008 | Goat anti-Rabbit IgG Secondary Antibody [HRP] |
| NB7160 | Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP] |
| NBP2-24891 | Rabbit IgG Isotype Control |
| NB100-2331 | LC3A Antibody - BSA Free |

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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