

# Product Datasheet

## **ATG9A Antibody** **NB110-56893SS**

Unit Size: 0.025 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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Updated 6/15/2014 v.20.1

**NB110-56893SS**

ATG9A Antibody

| Product Information     |  |
|-------------------------|--|
| Unit Size               | 0.025 ml   |
| Concentration           | 1 mg/ml  |
| Storage                 | Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles. |
| Clonality               | Polyclonal   |
| Preservative            | 0.1% Sodium Azide  |
| Purity                  | Immunogen affinity purified                                  |
| Buffer                  | PBS, 30% glycerol  |
| Target Molecular Weight | 95 kDa   |

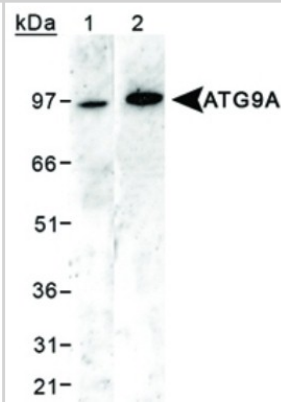
| Product Description |   |
|---------------------|---|
| Host                | Rabbit  |
| Gene ID             | 79065   |
| Gene Symbol         | ATG9A   |
| Species             | Human, Mouse, Rat, Bovine, Chicken, Primate   |
| Species Reactivity  | Human, primate, mouse, rat, chicken and cow.  |
| Immunogen           | A synthetic peptide made to a region within the C-terminus of human ATG9A (between residues 750-839). [Swiss-Prot# Q7Z3C6]. |

| Product Application Details |  |
|-----------------------------|--|
| Applications                | Western Blot, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin  |
| Recommended Dilutions       | Immunocytochemistry/Immunofluorescence, Immunohistochemistry 1:100-1:250, Immunohistochemistry-Paraffin 1:100-1:250, Western Blot 2 ug/ml  |
| Application Notes           | This ATG9A antibody is useful for Immunohistochemistry paraffin embedded sections and Western blot. In Western blot this antibody recognizes a band at ~95 kDa, representing ATG9A protein. Boiling samples prior to running the gel may affect the protein. Use in Immunocytochemistry/immunofluorescence reported in scientific literature (PMID 24705551) |

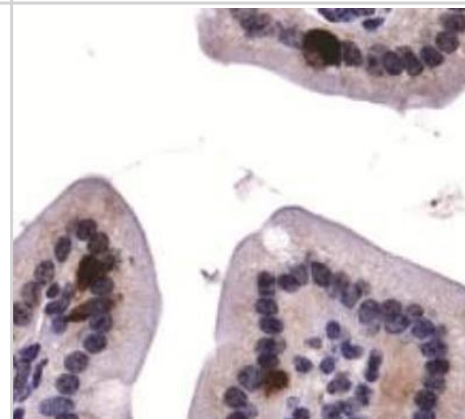


## Images

Western Blot: ATG9A Antibody [NB110-56893] - Detection of ATG9A protein in HEK293 lysates using NB110-56893. Lane 1: siRNA ATG9A knockdown Lane 2: wildtype ATG9A.



Immunohistochemistry: ATG9A Antibody [NB110-56893] - Staining in mouse intestine.



## Publications

Ge L, Zhang M, Schekman R. Phosphatidylinositol 3-kinase and COPII generate LC3 lipidation vesicles from the ER-Golgi intermediate compartment. *Elife*. 2014 Dec 16 [PMID: 25432021] (WB, Mouse)

Juarez E, Carranza C, Hernandez-Sanchez F et al. Nucleotide-oligomerizing domain-1 (NOD1) receptor activation induces pro-inflammatory responses and autophagy in human alveolar macrophages. *BMC Pulm Med*. 2014 Sep 25 [PMID: 25253572] (WB, Human)

Bejarano E, Yuste A, Patel B et al. Connexins modulate autophagosome biogenesis. *Nat. Cell Biol*. 2014 Apr 06 [PMID: 24705551] (WB, ICC/IF, Rat)

Akahashi Y, Meyerkord C, Hori T et al. Bif-1 regulates Atg9 trafficking by mediating the fission of Golgi membranes during autophagy. *Autophagy*. 2011 [PMID: 21068542]

Zhang L, Zhang J, Shea K et al. Autophagy in Pancreatic Acinar Cells in Caerulein-treated Mice: Immunolocalization of Related Proteins and Their Potential as Markers of Pancreatitis. *Toxicol Pathol* 2013 May 2 [PMID: 23640381] (WB, Mouse)

Chen H, Luo Z, Dong L et al. CD133/Prominin-1-Mediated Autophagy and Glucose Uptake Beneficial for Hepatoma Cell Survival. *PLoS One* 2013 [PMID: 23437259] (WB, Human)

Curtis S, Jones CJ, Garrod A et al. Identification of Autophagic Vacuoles and Regulators of Autophagy in Villous Trophoblast from Normal Term Pregnancies and in Fetal Growth Restriction *J Matern Fetal Neonatal Med* 2012 Oct 8 [PMID: 23039021] (IHC, Human)

Herd HL, Malugin A, Ghandehari H. Silica nanoconstruct cellular toleration threshold in vitro. *J Control Release*;153 (1):40-8. 2011 Jul 15. [PMID: 21342660] (WB, Human, Mouse)



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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.

**For more information on our guarantee, please visit [www.novusbio.com/guarantee](http://www.novusbio.com/guarantee).**

