

# Product Datasheet

## Beclin 1 Antibody Pack NB910-95610

Unit Size: 4 Vials

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

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**NB910-95610**

## Beclin 1 Antibody Pack

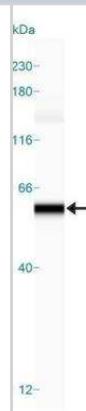
Product Information	
<b>Unit Size</b>	4 Vials
<b>Concentration</b>	Concentration of individual antibodies may be found on the vial label. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Buffer</b>	See individual datasheets

Product Description	
<b>Description</b>	This pack contains 1 vial each of: NB500-249 (0.1 mL), NB500-266 (0.1 mL) and NB110-87318 (0.1 mL).
<b>Gene ID</b>	8678
<b>Gene Symbol</b>	BECN1
<b>Species</b>	Human, Mouse, Rat
<b>Reactivity Notes</b>	See individual datasheets of components for their validated species
<b>Immunogen</b>	See individual datasheets
<b>Kit Components</b>	NB500-249: Beclin 1 Antibody - BSA Free, NB110-87318: Beclin 1 Antibody - BSA Free, NB500-266: Beclin 1 Antibody, HAF008: Goat anti-Rabbit IgG Secondary Antibody [HRP]

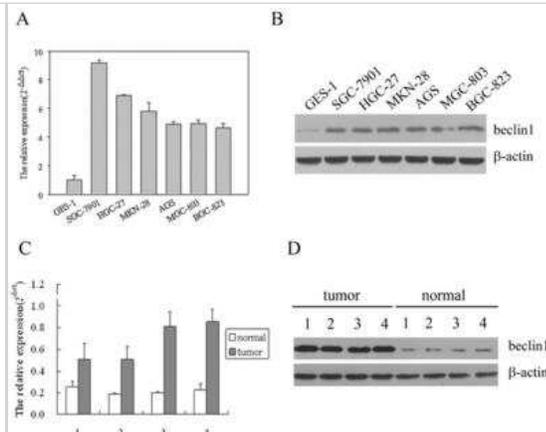
Product Application Details	
<b>Applications</b>	Western Blot, Simple Western, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Knockdown Validated
<b>Recommended Dilutions</b>	Western Blot, Simple Western, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, Knockdown Validated
<b>Application Notes</b>	See individual datasheets of components for their validated applications

**Images**

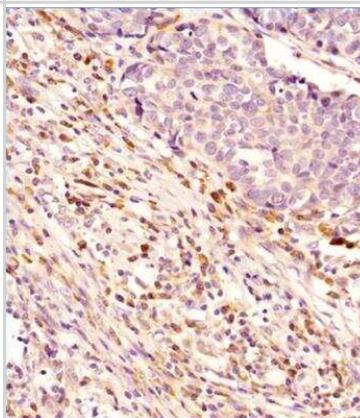
Beclin 1 Antibody Pack [NB910-95610] - Lane view shows a specific band for Beclin in 1.0 mg/ml of HeLa lysate using NB110-87318. This experiment was performed under reducing conditions using the 12-230 kDa separation system.



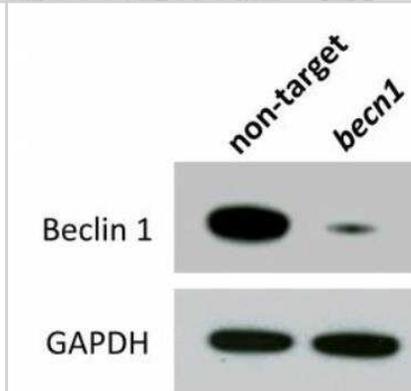
**Beclin 1 Antibody Pack [NB910-95610]** - Expression of Beclin 1 mRNA and protein in cells and tissues. (A) Beclin 1 mRNA expression level up-regulated in gastric cancer cell lines compared with normal gastric epithelial cells by reverse transcription-PCR. (B) Beclin 1 protein expression level up-regulated in gastric cancer cell lines compared with normal gastric epithelial cells by western blotting. (C) Beclin 1 mRNA expression is elevated in primary gastric tumors compared with paired gastric adjacent noncancerous tissues by reverse transcription-PCR. (D) Beclin 1 protein expression is elevated in primary gastric tumors compared with paired gastric adjacent noncancerous tissues by western blotting. Image collected and cropped by CiteAb from the following publication ([//doi.org/10.1371/journal.pone.0045968](https://doi.org/10.1371/journal.pone.0045968)) licensed under a CC-BY license. Anti-Beclin-1 Antibody NB500-249



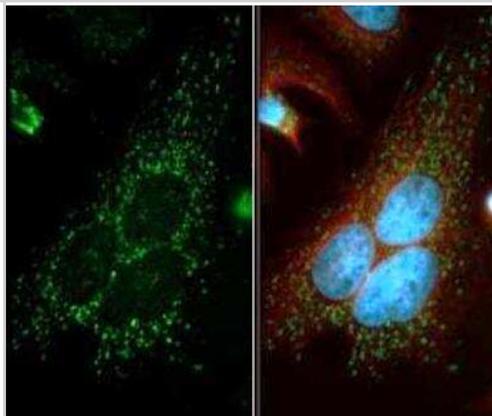
**Immunohistochemistry: Beclin 1 Antibody Pack [NB910-95610]** - Analysis of a FFPE tissue section of human breast cancer using Beclin 1 antibody (NB110-87318) at 1:300 dilution. The primary antibody bound to Beclin 1 antigen in the tissue section was detected using a HRP labeled secondary antibody and DAB reagent. Nuclei of the cells were counterstained with hematoxylin. Cytoplasmic staining can be seen in the cancer as well as the stromal cells. The signal was strongest in a subset of stromal cells which appears to be the cancer associated fibroblasts.



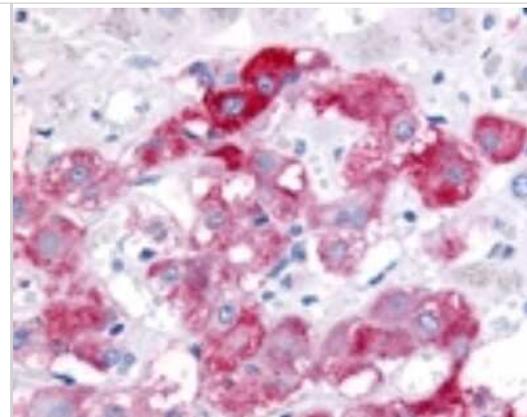
**Knockdown Validated: Beclin 1 Antibody Pack [NB910-95610]** - siRNA knockdown of becn1 (Beclin 1). Lysates from OKP7 cells treated with non-targeting siRNA (non-target) or an siRNA pool directed against Beclin 1 (becn1) were analyzed by Western blot for Beclin 1 production using NB500-249. GAPDH was used as a loading control. Image collected and cropped by CiteAb from the following publication ([//doi.org/10.1371/journal.ppat.1003394](https://doi.org/10.1371/journal.ppat.1003394)) licensed under a CC-BY license.



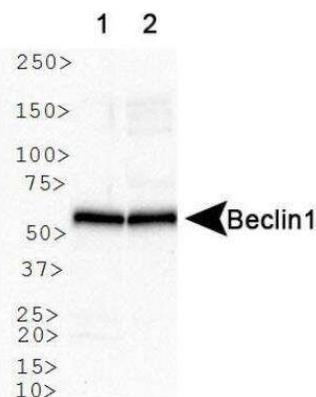
**Immunocytochemistry/Immunofluorescence: Beclin 1 Antibody Pack [NB910-95610]** - Beclin 1 antibody (NB500-249) was tested in HeLa cells with Dylight 488 (green, left panel). Nuclei and alpha-tubulin were counterstained with DAPI (blue) and Dylight 550 (red), shown in the overlay (right panel)



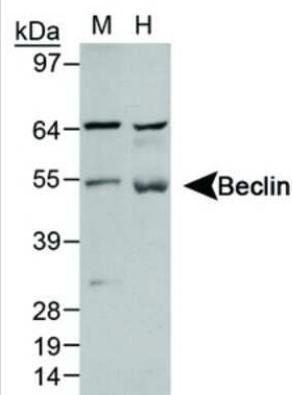
Immunohistochemistry: Beclin 1 Antibody Pack [NB910-95610] - Detecting Beclin 1 using NB500-249 in Pheochromocytes of the Adrenal Medulla at 40x.



Western Blot: Beclin 1 Antibody Pack [NB910-95610] - Analysis of Beclin1 using NB500-249. Lane 1: human brain. Lane 2: mouse brain.



Western Blot: Beclin 1 Antibody Pack [NB910-95610] - Detection of Beclin 1 in liver lysates using NB 500-266. Lane 1: mouse liver Lane 2: human liver.





### **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 NB910-95610**

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H00008678-P01-10ug	Recombinant Human Beclin 1 GST (N-Term) Protein
H00008878-M01	p62/SQSTM1 Antibody (2C11)
NB500-249	Beclin 1 Antibody - BSA Free
AF835	Caspase-3 Antibody [Unconjugated] - Active

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### **Limitations**

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

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