

Product Datasheet

Beclin 1/ATG6 Antibody NB500-266SS

Unit Size: 0.025 ml

Store at 4C. Do not freeze.

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Publications: 1

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NB500-266SS

Beclin 1/ATG6 Antibody

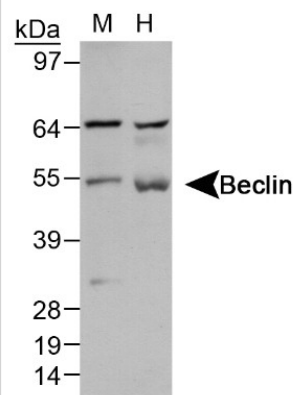
Product Information	
Unit Size	0.025 ml
Concentration	This product is unpurified. The exact concentration of antibody is not quantifiable.
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.1% Sodium Azide
Purity	Whole antisera
Target Molecular Weight	52 kDa

Product Description	
Host	Rabbit
Gene ID	8678
Gene Symbol	BECN1
Species	Human, Mouse
Species Reactivity	Human and mouse.
Immunogen	Full length human Beclin 1 protein [Swiss-Prot# Q14457]

Product Application Details	
Applications	Western Blot, Immunocytochemistry/Immunofluorescence
Recommended Dilutions	Immunocytochemistry/Immunofluorescence, Western Blot 1:500
Application Notes	This Beclin 1 antibody is useful for Western blot, where a band is observed at ~52 kDa representing Beclin 1. There is also a higher MW non-specific band at ~66 kDa. Use in Immunocytochemistry/immunofluorescence reported in scientific literature (PMID 23877263)

Images

Western Blot: Beclin 1 Antibody [NB500-266] - Detection of Beclin 1 in liver lysates using NB 500-266. Lane 1: mouse liver Lane 2: human liver

**Publications**

Gurkar AU, Chu K, Raj L et al. Identification of ROCK1 kinase as a critical regulator of Beclin1-mediated autophagy during metabolic stress. Nat Commun. 2013 Jul 23 [PMID: 23877263] (ICC/IF, Human)

Procedures

Protocol specific for Beclin 1 Antibody (NB500-266)

Western Blot Protocol

1. Perform SDS-PAGE (4-12%) on samples to be analyzed, loading 25 ug of total protein per lane.
2. Transfer proteins to Nitrocellulose according to the instructions provided by the manufacturer of the transfer apparatus.
3. Rinse membrane with dH₂O and then stain the blot using ponceau S for 1-2 minutes to access the transfer of proteins onto the nitrocellulose membrane. Rinse the blot in water to remove excess stain and mark the lane locations and locations of molecular weight markers using a pencil.
4. Rinse the blot in TBS for approximately 5 minutes.
5. Block the membrane using 5% non-fat dry milk + 1% BSA in TBS for 1 hour at room temperature (RT).
6. Rinse the membrane in dH₂O and then wash the membrane in wash buffer [TBS + 0.1% Tween] 3 times for 10 minutes each.
7. Dilute the rabbit anti-beclin 1 primary antibody (NB 500-266) in blocking buffer and incubate 1 hour at RT.
8. Rinse the membrane in dH₂O and then wash the membrane in wash buffer [TBS + 0.1% Tween] 3 times for 10 minutes each.
9. Apply the diluted rabbit-IgG HRP-conjugated secondary antibody in blocking buffer (as per manufacturer's instructions) and incubate 1 hour at room temperature.
10. Wash the blot in wash buffer [TBS + 0.1% Tween] 3 times for 10 minutes each (this step can be repeated as required to reduce background).
11. Apply the detection reagent of choice in accordance with the manufacturer's instructions (we used BioFX Super Plus ECL).

Note: Tween-20 can be added to the blocking or antibody dilution buffer at a final concentration of 0.05-0.2%, provided it does not interfere with antibody-antigen binding.





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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.

