

# Product Datasheet

## Beclin 1 Antibody - BSA Free NBP1-76648

Unit Size: 0.1 mg

Store at 4C.

[www.novusbio.com](http://www.novusbio.com)



[technical@novusbio.com](mailto:technical@novusbio.com)

### Publications: 2

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**NBP1-76648**

Beclin 1 Antibody - BSA Free

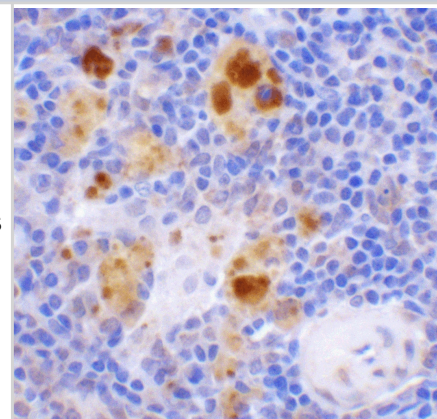
Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Peptide affinity purified
Buffer	PBS

Product Description	
Description	Novus Biologicals Rabbit Beclin 1 Antibody - BSA Free (NBP1-76648) is a polyclonal antibody validated for use in IHC, WB, ELISA and ICC/IF. Anti-Beclin 1 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	8678
Gene Symbol	BECN1
Species	Human, Mouse, Rat
Reactivity Notes	Immunogen displays the following percentage of sequence identity for non-tested species: Pig (88%).
Immunogen	Antibody was raised against a peptide corresponding to 17 amino acids near the center of human Beclin 1. The immunogen is located between 40-90 amino acids of Beclin 1.

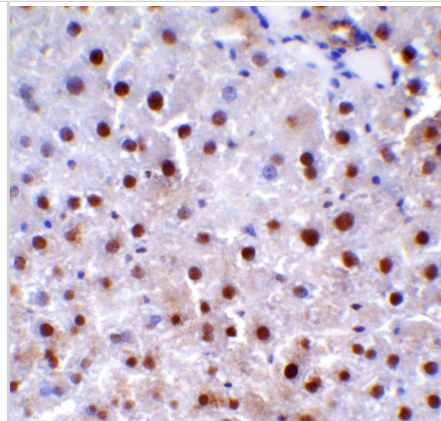
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1 ug/mL, ELISA 1:100-1:2000, Immunohistochemistry 2 ug/ml, Immunocytochemistry/ Immunofluorescence 20 ug/mL, Immunohistochemistry-Paraffin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

**Images**

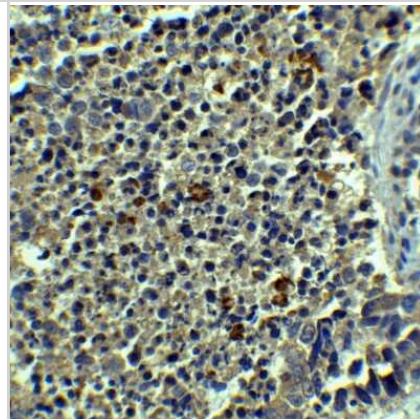
Immunohistochemistry: Beclin 1 Antibody - BSA Free [NBP1-76648] - Validation of Beclin 1 in Rat Spleen Tissue. Immunohistochemical analysis of paraffin-embedded rat spleen tissue using anti-Beclin 1 antibody at 1 ug/ml. Tissue was fixed with formaldehyde and blocked with 10% serum for 1h at RT; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody overnight at 4C. A goat anti-rabbit IgG H&L (HRP) at 1/250 was used as secondary. Counter stained with Hematoxylin.



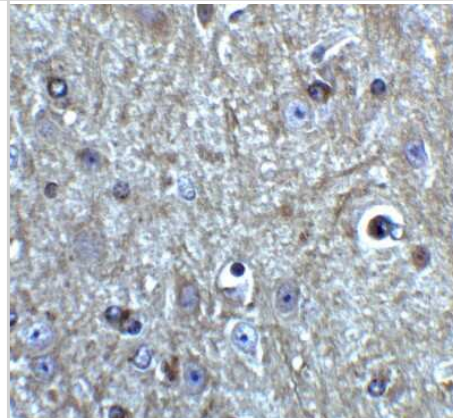
Immunohistochemistry: Beclin 1 Antibody - BSA Free [NBP1-76648] - Validation of Beclin 1 in Rat Liver Tissue. Immunohistochemical analysis of paraffin-embedded rat liver tissue using anti-Beclin 1 antibody at 1 ug/ml. Tissue was fixed with formaldehyde and blocked with 10% serum for 1 h at RT; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody overnight at 4C. A goat anti-rabbit IgG H&L (HRP) at 1/250 was used as secondary. Counter stained with Hematoxylin.



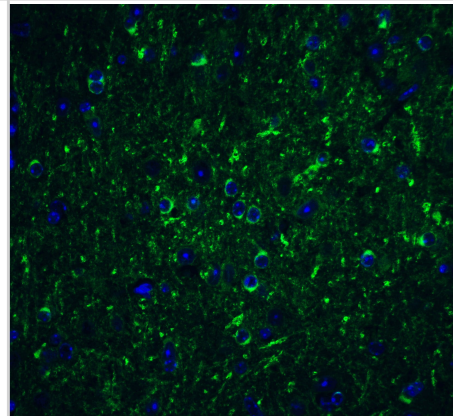
Immunohistochemistry: Beclin 1 Antibody [NBP1-76648] - Beclin-1 in human brain tissue with Beclin-1 antibody at 2.5 ug/ml.



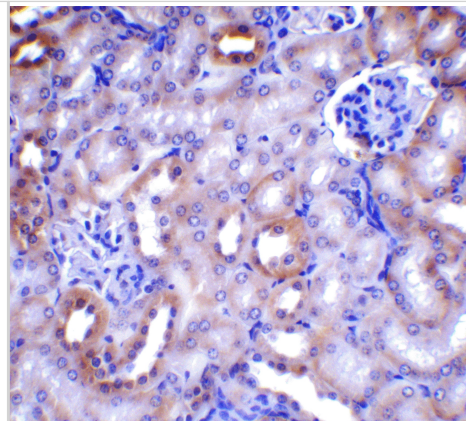
Immunohistochemistry: Beclin 1 Antibody [NBP1-76648] - Beclin-1 in mouse brain tissue with Beclin-1 antibody at 2 ug/ml.



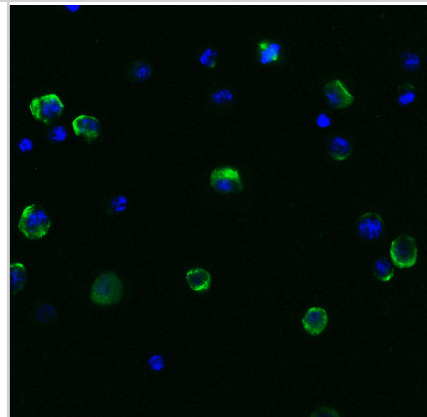
Immunocytochemistry/ Immunofluorescence: Beclin 1 Antibody - BSA Free [NBP1-76648] - Validation of Beclin 1 in Mouse Brain Tissue. Immunofluorescent analysis of 4% paraformaldehyde-fixed mouse brain cells labeling Beclin 1 at 20 ug/mL, followed by goat anti-rabbit IgG secondary antibody at 1/500 dilution (green) and DAPI antibody (blue).



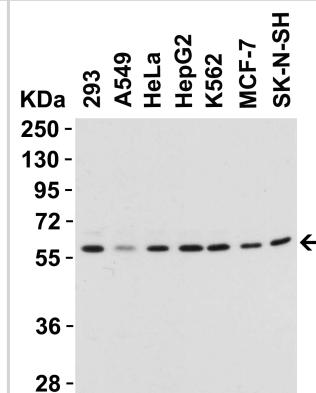
**Immunohistochemistry: Beclin 1 Antibody - BSA Free [NBP1-76648] - Validation of Beclin 1 in Mouse Kidney Tissue.** Immunohistochemical analysis of paraffin-embedded mouse kidney tissue using anti-Beclin 1 antibody at 1 ug/ml. Tissue was fixed with formaldehyde and blocked with 10% serum for 1 h at RT; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody overnight at 4C. A goat anti-rabbit IgG H&L (HRP) at 1/250 was used as secondary. Counter stained with Hematoxylin.



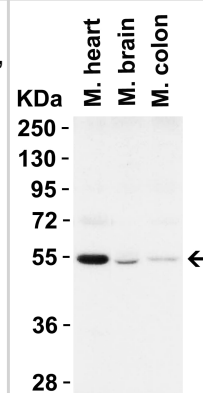
**Immunocytochemistry/ Immunofluorescence: Beclin 1 Antibody - BSA Free [NBP1-76648] - Validation of Beclin 1 in HELA Cells.** Immunofluorescent analysis of 4% paraformaldehyde-fixed Hela cells labeling Beclin 1 at 10 ug/mL, followed by goat anti-rabbit IgG secondary antibody at 1/500 dilution (green) and DAPI antibody (blue).



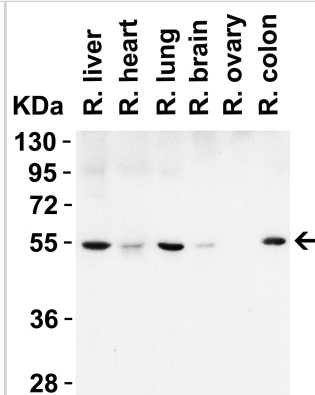
**Western Blot: Beclin 1 Antibody - BSA Free [NBP1-76648] - Validation in Human Cell Lines.** Loading: 15 ug of lysate Antibodies: Beclin 1, 1 ug/mL, 1h incubation at RT in 5% NFDm/TBST. Secondary: Goat Anti-Rabbit IgG HRP conjugate at 1:10000 dilution.



**Western Blot: Beclin 1 Antibody - BSA Free [NBP1-76648] - Validation in Mouse Cell Lines.** Loading: 15 ug of lysate Antibodies: Beclin 1, 1 ug/mL, 1h incubation at RT in 5% NFDm/TBST. Secondary: Goat Anti-Rabbit IgG HRP conjugate at 1:10000 dilution.



Western Blot: Beclin 1 Antibody - BSA Free [NBP1-76648] - Validation in Rat Cell Lines. Loading: 15 ug of lysate Antibodies: Beclin 1, 1 ug/mL, 1 h incubation at RT in 5% NFD/MTBST. Secondary: Goat Anti-Rabbit IgG HRP conjugate at 1:10000 dilution.



## Publications

Lu JH, Wu YH, Juan TJ et al. Autophagy Alters Bladder Angiogenesis and Improves Bladder Hyperactivity in the Pathogenesis of Ketamine-Induced Cystitis in a Rat Model *Biology (Basel)* 2021-05-30 [PMID: 34070854] (Western Blot, Rat)

Ben Salem I, Boussabbeh M, Da Silva JP et al. SIRT1 protects cardiac cells against apoptosis induced by zearalenone or its metabolites alpha- and beta-zearalenol through an autophagy-dependent pathway. *Toxicol. Appl. Pharmacol.* 2016-11-23 [PMID: 27889531] (WB, Rat)

### Details:

This citation used the HRP version of this antibody.



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### **Products Related to NBP1-76648**

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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

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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.

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