

# Product Datasheet

## UVRAG Antibody NBP1-18885

Unit Size: 0.1 ml

Store at 4C. Do not freeze.

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### Publications: 4

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**NBP1-18885**

## UVRAG Antibody

Product Information	
Unit Size	0.1 ml
Concentration	0.2 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	TBS and 0.1% BSA

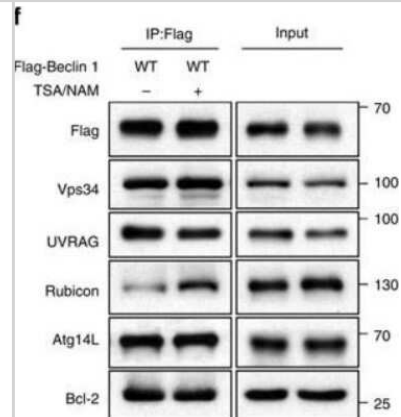
Product Description	
Description	Novus Biologicals Knockout (KO) Validated Rabbit UVRAG Antibody (NBP1-18885) is a polyclonal antibody validated for use in IHC, WB, ICC/IF and IP. Anti-UVRAG Antibody: Cited in 4 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	7405
Gene Symbol	UVRAG
Species	Human
Immunogen	The immunogen recognized by this antibody maps to a region between residue 649 and 699 of human UV radiation resistance associated gene using the numbering given in entry NP_003360.2 (GeneID 7405).

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunoprecipitation, Knockout Validated
Recommended Dilutions	Western Blot 1:2000-1:10000, Immunohistochemistry 1:100-1:500, Immunocytochemistry/ Immunofluorescence Reported in scientific literature (PMID: 30488027), Immunoprecipitation 2 - 5 ug/mg lysate, Immunohistochemistry-Paraffin 1:100-1:500, Knockout Validated
Application Notes	Epitope retrieval with citrate buffer pH6.0 is recommended for FFPE tissue sections.

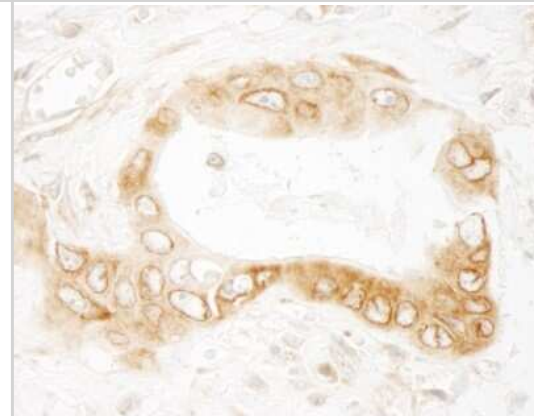


## Images

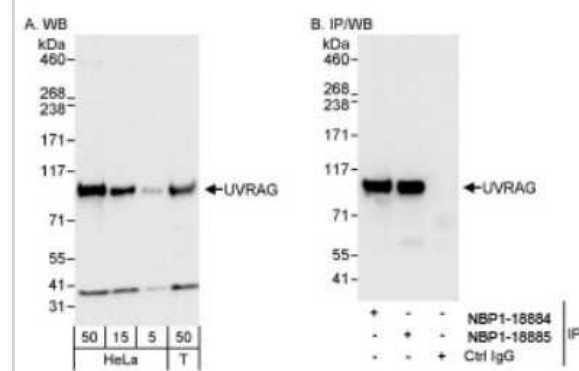
Western Blot: UVRAG Antibody [NBP1-18885] - Beclin 1 is acetylated at lysines 430 and 437. TSA and NAM increase the binding of Beclin 1 to Rubicon. Immunoprecipitation of indicated Beclin 1-binding partners with ectopically expressed Flag-Beclin 1 in HEK293T cells treated with TSA and NAM. Image collected and cropped by CiteAb from the following publication (<https://www.nature.com/articles/ncomms8215>), licensed under a CC-BY license.



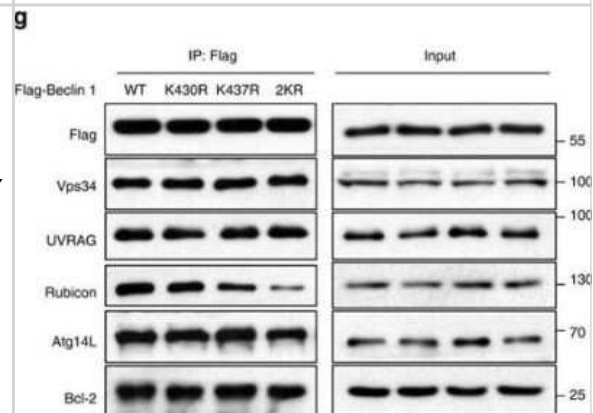
Immunohistochemistry-Paraffin: UVRAG Antibody [NBP1-18885] - Section of human colon carcinoma. Antibody: Affinity purified rabbit anti-UVRAG used at a dilution of 1:200 (1ug/ml). Detection: DAB



Western Blot: UVRAG Antibody [NBP1-18885] - Whole cell lysate from HeLa and 293T cells. UVRAG was also immunoprecipitated by rabbit anti-UVRAG antibody NBP1-18884.



Western Blot: UVRAG Antibody [NBP1-18885] - Beclin 1 is acetylated at lysines 430 and 437. Mutations of K430 and K437 decrease the binding of Beclin 1 and Rubicon. Immunoprecipitation of indicated proteins with Beclin 1 in HEK293T cells transfected with indicated Beclin 1 constructs. Image collected and cropped by CiteAb from the following publication (<https://www.nature.com/articles/ncomms8215>), licensed under a CC-BY license.



## Publications

Iibushi J, Nozawa T, Toh H, Nakagawa I. et Al. ATG9B regulates bacterial internalization via actin rearrangement iScience 2024-05-06 [PMID: 38706859]

Li X, Yang KB, Chen W et al. CUL3 (cullin 3)-mediated ubiquitination and degradation of BECN1 (beclin 1) inhibit autophagy and promote tumor progression Autophagy 2021-05-12 [PMID: 33977871]

Aikawa C, Nakajima S, Karimine M et al. NLRX1 Negatively Regulates Group A Streptococcus Invasion and Autophagy Induction by Interacting With the Beclin 1-UVRAG Complex Front Cell Dev Biol. 2018-11-13 [PMID: 30488027] (KO, ICC/IF, IP, Human)

Sun T, Li X, Zhang P et al. Acetylation of Beclin 1 inhibits autophagosome maturation and promotes tumour growth. Nat Commun. 2015-05-26 [PMID: 26008601] (WB, Human)





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### **Products Related to NBP1-18885**

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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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