

Product Datasheet

USP15 Antibody - BSA Free NB110-40690

Unit Size: 100 ul

Store at 4C. Do not freeze.

www.novusbio.com



technical@novusbio.com

Publications: 3

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NB110-40690

Updated 9/9/2025 v.20.1

Earn rewards for product
reviews and publications.

Submit a publication at www.novusbio.com/publications

Submit a review at www.novusbio.com/reviews/destination/NB110-40690



NB110-40690

USP15 Antibody - BSA Free

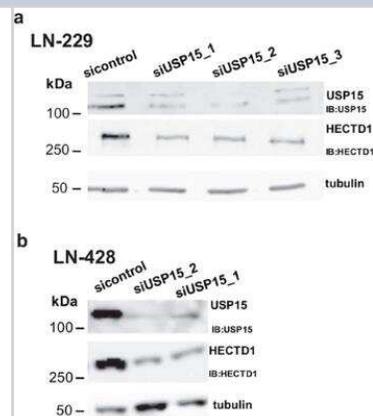
Product Information	
Unit Size	100 ul
Concentration	1.0 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris-Citrate/Phosphate (pH 7.0 - 8.0)

Product Description	
Description	Novus Biologicals Rabbit USP15 Antibody - BSA Free (NB110-40690) is a polyclonal antibody validated for use in WB and IP. Anti-USP15 Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	9958
Gene Symbol	USP15
Species	Human, Mouse
Immunogen	The immunogen recognized by this antibody maps to a region between residue 960 and the C-terminus of human Ubiquitin Specific Peptidase 15 (AAD41086.1).

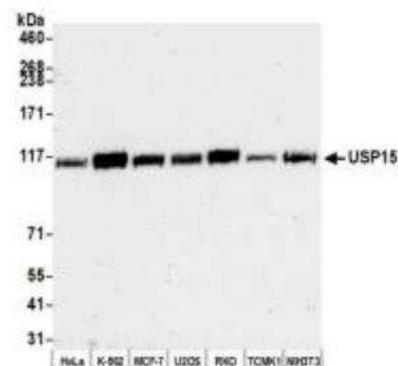
Product Application Details	
Applications	Western Blot, Immunoprecipitation, Knockdown Validated
Recommended Dilutions	Western Blot 1:2000 - 1:10000, Immunoprecipitation 2-10 ug/mg lysate, Knockdown Validated

Images

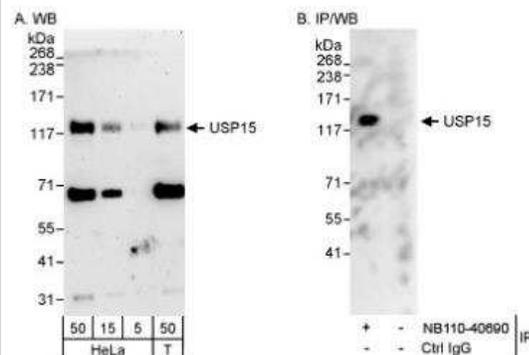
Western Blot: USP15 Antibody [NB110-40690] - USP15 knockdown with three siRNAs in LN-229 and (b) two siRNAs in LN-428. Image collected and cropped by CiteAb from the following publication (<https://www.oncotarget.com/lookup/doi/10.18632/oncotarget.22798>) licensed under a CC-BY license.



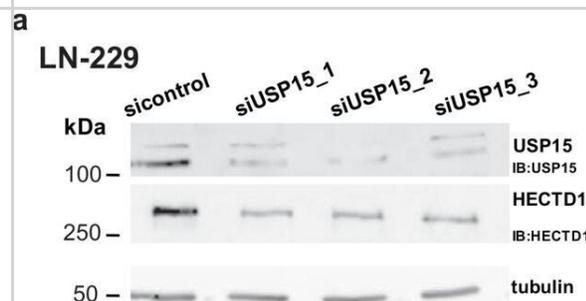
Western Blot: USP15 Antibody [NB110-40690] - Whole cell lysate (50 ug) from HeLa, K-562, MCF-7, U2OS, RKO, TCMK-1, and NIH 3T3 cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-USP15 antibody used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.



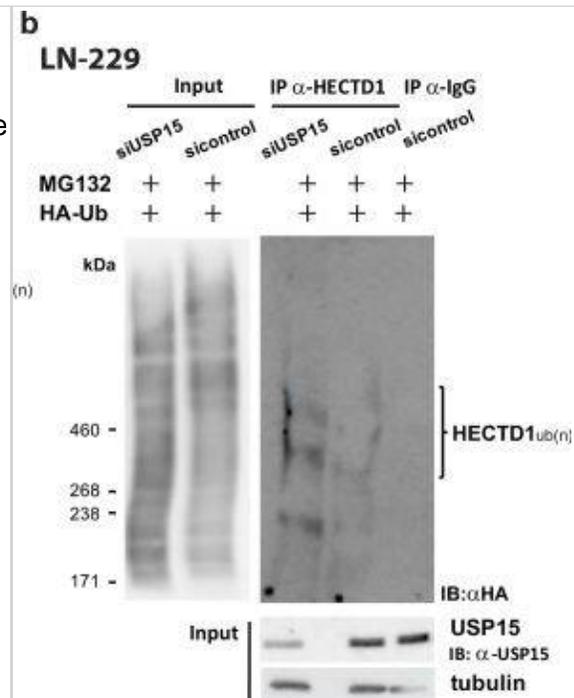
Western Blot: USP15 Antibody [NB110-40690] - Whole cell lysate from HeLa (5, 15 and 50 mcg for WB; 1 mg for IP, 20% of IP loaded) and 293T (T; 50 mcg) cells. Affinity purified rabbit anti- USP15 antibody NB110-40690 used for WB at 0.4 mcg/ml (A) and 1.0 mcg/ml (B) and used for IP at 3 mcg/mg lysate (B).



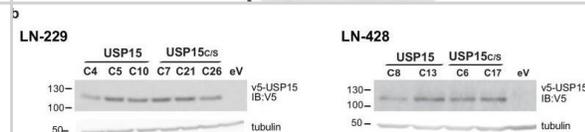
Western Blot: USP15 Antibody [NB110-40690] - USP15 knockdown leads to decreased HECTD1 protein levels(a) USP15 knockdown with three siRNAs in LN-229 & (b) two siRNAs in LN-428. Image collected & cropped by CiteAb from the following publication (<https://www.oncotarget.com/lookup/doi/10.18632/oncotarget.22798>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Western Blot: USP15 Antibody [NB110-40690] - USP15 de-ubiquitinates & stabilizes HECTD1 in LN-229 The de-ubiquitination assay was performed in cells transfected with an expression plasmid for HA-Ubiquitin that 40 hours after transfection were treated for 8 hours with the proteasome inhibitor MG132 (5 μ M). The cells were lysed & used for IP using an antibody against the endogenous HECTD1, or an AB against rabbit IgG in the negative control. The immunoprecipitated proteins were then analyzed by Western blot using an anti HA antibody to detect ubiquitination. (a) LN-229 cells stably expressing USP15, the mutant USP15C/S, or the empty vector control, respectively. Lanes 1 to 3 correspond to the input controls. The USP15 wt overexpressing LN-229 cells show lower ubiquitination levels of HECTD1 than the vector control. The mutant USP15-C/S overexpressing cells displayed the highest ubiquitination of HECTD1. (b) De-ubiquitination assay in LN-229 depleted for endogenous USP15 by siRNA against USP15 or the respective si-control. LN-229 cells depleted for endogenous USP15 display higher ubiquitination of HECTD1 than the sicontrol cells. Image collected & cropped by CiteAb from the following publication (<https://www.oncotarget.com/lookup/doi/10.18632/oncotarget.22798>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Western Blot: USP15 Antibody [NB110-40690] - Effect of USP15 on cell growth in LN-229(a) Structure of the wildtype USP15 construct with the V5 protein tag, & the respective catalytic mutant USP15C298S. (b) Protein expression by Western blot using an anti-V5 AB, loading control tubulin for the selected clones from LN-229 & LN-428 with stable expression of USP15, or USP15C298S (USPC/S), or empty vector controls. (c) Growth of USP15, or USP15C298S (USPC/S) overexpressing clones, & respective empty vector control (pIRES2/EGFP) followed over 5 days in culture. The error bars indicate standard deviations of triplicate samples. (d) Adhesion-independent growth in soft agar, representative images, & quantification of total colony numbers. Empty vector control, eV, black; USP15, blue; USP15C/S, green. Histogram shows data as mean \pm SD. Image collected & cropped by CiteAb from the following publication (<https://www.oncotarget.com/lookup/doi/10.18632/oncotarget.22798>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Oikonomaki M, Bady P, et al. Ubiquitin Specific Peptidase 15 (USP15) suppresses glioblastoma cell growth via stabilization of HECTD1 E3 ligase attenuating WNT pathway activity. *Oncotarget* 2017-12-15 [PMID: 29299163] (IP, Human)

Isumi Y, Hirata T, Saitoh H et al. Transgenic overexpression of USP15 in the heart induces cardiac remodeling in mice. *Biochem Biophys Res Commun* 2011-02-01 [PMID: 21219870]

Goncharov T, Niessen K, de Almagro MC et al. OTUB1 modulates c-IAP1 stability to regulate signalling pathways *EMBO J* 2013-03-22 [PMID: 23524849] (WB, Human)



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 NB110-40690

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

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 100% guarantee, please visit www.novusbio.com/guarantee

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NB110-40690

Earn gift cards/discounts by submitting a publication using this product:
www.novusbio.com/publications

