

# Product Datasheet

## USP15 Antibody (1C10) - Azide and BSA Free H00009958-M01

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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**H00009958-M01**

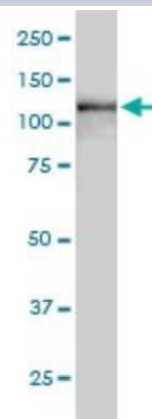
USP15 Antibody (1C10) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	1C10
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4
Product Description	
Description	Novus Biologicals Mouse USP15 Antibody (1C10) - Azide and BSA Free (H00009958-M01) is a monoclonal antibody validated for use in WB, ELISA, ICC/IF and IP. Anti-USP15 Antibody: Cited in 17 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	9958
Gene Symbol	USP15
Species	Human, Mouse, Rat
Reactivity Notes	Other species not tested.
Specificity/Sensitivity	USP15 (1C10)
Immunogen	USP15 (AAH20688, 1 a.a. ~ 235 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. MAEGGAADLDTQRSDIATLLKTSLRKGDWYLVDSRWFKQWKKYVGFDSWD KYQMGDQNVYPGPIDNSGLLKDGDAQSLKEHLIDELDYILLPTEGWNKLVSWY TLMEGQEPIARKVVEQGMFVKHCKVEVYLTELKLCENGMNNAVTRRFKADT IDTIEKEIRKIFSPDEKETRLWNKYMSNTFEPLNKPDESTIQDAGLYQGQVLVIEQ KNEDGTWPRGPSTPKKPLEQSC
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation
Recommended Dilutions	Western Blot 1:500, ELISA 1:100-1:2000, Immunocytochemistry/ Immunofluorescence 1:10-1:2000, Immunoprecipitation
Application Notes	Antibody reactive against cell lysate and recombinant protein for Western Blot. Has also been used for immunofluorescence and ELISA.

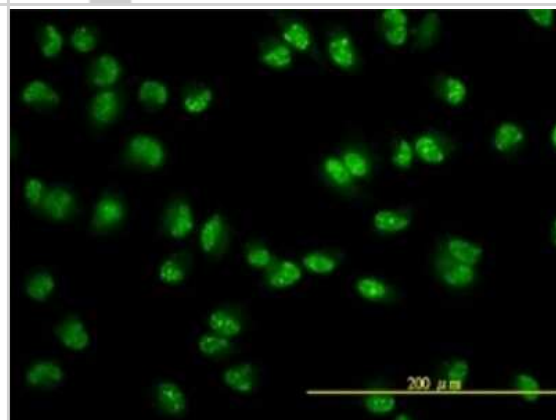


## Images

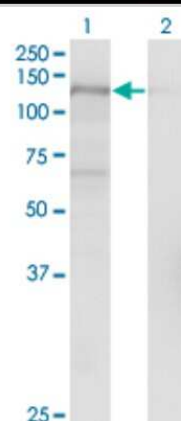
Western Blot: USP15 Antibody (1C10) [H00009958-M01] - USP15 monoclonal antibody (M01), clone 1C10 Analysis of USP15 expression in HepG2.



Immunocytochemistry/Immunofluorescence: USP15 Antibody (1C10) [H00009958-M01] - Analysis of monoclonal antibody to USP15 on HeLa cell. Antibody concentration 10 ug/ml.



Western Blot: USP15 Antibody (1C10) [H00009958-M01] - Analysis of USP15 expression in transfected 293T cell line by USP15 monoclonal antibody (M01), clone 1C10. Lane 1: USP15 transfected lysate (Predicted MW: 109.3 KDa). Lane 2: Non-transfected lysate.



## Publications

Gregersen LH, Mitter R, Ugalde AP, Nojima T et al. SCAF4 and SCAF8, mRNA Anti-Terminator Proteins Cell 2019-05-21 [PMID: 31104839]

Sebastien Martinez, Shifei Wu, Michael Geuenich, Ahmad Malik, Ramona Weber, Tristan Woo, Amy Zhang, Gun Ho Jang, Dzana Dervovic, Khalid N. Al-Zahrani, Ricky Tsai, Nassima Fodil, Philippe Gros, Steven Gallinger, G. Gregory Neely, Faiyaz Notta, Ataman Sendoel, Kieran Campbell, Ulrich Elling, Daniel Schramek In vivo CRISPR screens reveal SCAF1 and USP15 as drivers of pancreatic cancer Nature Communications 2024-06-20 [PMID: 38902237]

Fielding A, Concannon M, Darling S et al. The deubiquitylase USP15 regulates topoisomerase II alpha to maintain genome integrity. Oncogene. 2018-02-12 [PMID: 29429988]

Dawadschargal D, Jing W, Roland H et al. Latent CSN-CRL complexes are crucial for curcumin-induced apoptosis and recruited during adipogenesis to lipid droplets via small GTPase RAB18. iScience. 2023-04-21 [PMID: 37091236]

Hirota N, Masanori O, Shinichiro O et al. Hypoxia-induced paclitaxel resistance in cervical cancer modulated by miR-100 targeting of USP15. Gynecol Oncol Rep. 2023-02-15 [PMID: 36714373]

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]

Chiang C, Pauli EK, Biryukov J et al. The human papillomavirus E6 oncoprotein targets USP15 and TRIM25 to suppress RIG-I-mediated innate immune signaling. J Virol 2017-12-20 [PMID: 29263274]

Pauli EK, Chan YK, Davis ME et al. The Ubiquitin-Specific Protease USP15 Promotes RIG-I-Mediated Antiviral Signaling by Deubiquitylating TRIM25. Science Signaling. 2014-01-07 [PMID: 24399297]

Fernandez-Sanchez ME, Sechet E, Margottin-Goguet F et al. The Human COP9 Signalosome Protects Ubiquitin-conjugating Enzyme 3 (UBC3/Cdc34) from  $\beta$ -Transducin Repeat-containing Protein ( $\beta$ TrCP)-mediated Degradation. J Biol Chem. 2010-04-08 [PMID: 20378537]

Cornelissen T, Haddad D, Wauters F et al. The deubiquitinase USP15 antagonizes Parkin-mediated mitochondrial ubiquitination and mitophagy. Hum Mol Genet. 2014-05-22 [PMID: 24852371]

Garcia-Caballero A, Gadotti VM, Stemkowski P et al. The Deubiquitinating Enzyme USP5 Modulates Neuropathic and Inflammatory Pain by Enhancing Cav3.2 Channel Activity. Neuron. 2014-09-03 [PMID: 25189210]

Faronato M, Patel V, Darling S et al. The deubiquitylase USP15 stabilizes newly synthesized REST and rescues its expression at mitotic exit. Cell Cycle. 2013-06-15 [PMID: 23708518] (Human)

More publications at <http://www.novusbio.com/H00009958-M01>





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### **Products Related to H00009958-M01**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)

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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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