

# Product Datasheet

## USP7 Antibody - BSA Free NB100-513

Unit Size: 100 ul

Store at 4C. Do not freeze.

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



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**NB100-513**

USP7 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)
Target Molecular Weight	128 kDa

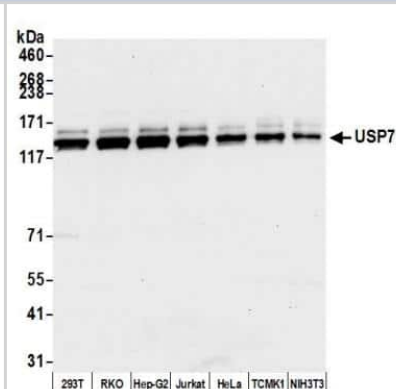
Product Description	
Description	Novus Biologicals Rabbit USP7 Antibody - BSA Free (NB100-513) is a polyclonal antibody validated for use in IHC, WB, ICC/IF and IP. Anti-USP7 Antibody: Cited in 28 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	7874
Gene Symbol	USP7
Species	Human, Mouse
Immunogen	The immunogen recognized by this antibody maps to a region between residues 1 and 50 of human Ubiquitin Specific Peptidase 7 using the numbering given in entry NP_003461.1 (GeneID 7874).

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunoprecipitation
Recommended Dilutions	Western Blot 1:10000-1:25000, Immunohistochemistry 1:1000 - 1:5000, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation 2-10 ug/ml of lysate, Immunohistochemistry-Paraffin 1:1000-1:5000
Application Notes	Many tissues will not require epitope retrieval. However to boost weak staining, epitope retrieval with citrate buffer at pH 6.0 is recommended for FFPE tissue sections. USP7 antibody validated for ICC/IF from a verified customer review.

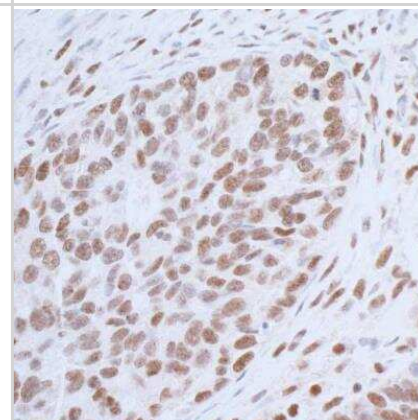


## Images

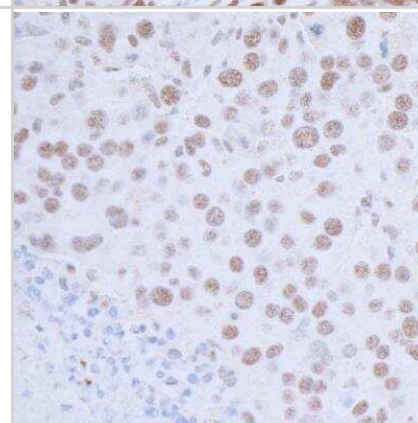
**Western Blot: USP7 Antibody [NB100-513]** - Samples: Whole cell lysate (10 ug) from HEK293T, RKO, Hep-G2, Jurkat, HeLa, TCMK-1, and NIH 3T3 cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-USP7 antibody used for WB at 0.04 ug/ml. Detection: Chemiluminescence with an exposure time of 10 seconds



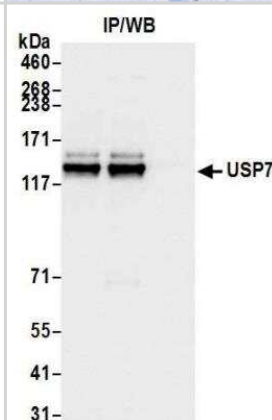
**Immunohistochemistry-Paraffin: USP7 Antibody [NB100-513]** - Sample: FFPE section of human ovarian carcinoma. Antibody: Affinity purified rabbit anti-USP7 used at 1:5,000 (0.2ug/ml). Detection: DAB



**Immunohistochemistry-Paraffin: USP7 Antibody [NB100-513]** - Sample: FFPE section of mouse renal cell carcinoma. Antibody: Affinity purified rabbit anti-USP7 used at 1:5,000 (0.2ug/ml). Detection: DAB



**Immunoprecipitation: USP7 Antibody [NB100-513]** - Samples: Whole cell lysate (10 ug) from HEK293T, RKO, Hep-G2, Jurkat, HeLa, TCMK-1, and NIH 3T3 cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-USP7 antibody used for WB at 0.04 ug/ml. Detection: Chemiluminescence with an exposure time of 10 seconds



## Publications

- Gao A, Zhang M, Zhu SQ et al. DNA polymerase iota promotes EMT and metastasis of esophageal squamous cell carcinoma by interacting with USP7 to stabilize HIF-1? *Cell Death Dis* 2024-02-24 [PMID: 38402183]
- Liu J, Zhou T, Dong X et al. De-ubiquitination of SAMHD1 by USP7 promotes DNA damage repair to overcome oncogenic stress and affect chemotherapy sensitivity *Oncogene* 2023-04-20 [PMID: 37081042] (IHC, Human)
- Liu J, Zhou T, dong x Et al. De-ubiquitination of SAMHD1 by USP7 overcomes oncogenic stress and contributes to chemotherapy insensitivity *Research Square* 2021-08-20 (IF/IHC, Human)
- Nicklas S, Hillje AL, Okawa S et al. A complex of the ubiquitin ligase TRIM32 and the deubiquitinase USP7 balances the level of c-Myc ubiquitination and thereby determines neural stem cell fate specification *Cell Death Differ.* 2018 Jun 13 [PMID: 29899379] (IHC, Mouse)
- Nicklas S, Hillje AL, Okawa S et al. A complex of the ubiquitin ligase TRIM32 and the deubiquitinase USP7 balances the level of c-Myc ubiquitination and thereby determines neural stem cell fate specification *Cell Death Differ.* 2018 Jun 13 [PMID: 29899379] (IHC, Mouse)
- Cui H, Guo M, Xu D et al. The stress-responsive gene ATF3 regulates the histone acetyltransferase Tip60 *Nat Commun* 2015-04-13 [PMID: 25865756] (IP, WB, Human)
- de Lange J, Teunisse AF, Vries MV et al. High levels of Hdmx promote cell growth in a subset of uveal melanomas. *Am J Cancer Res* 2012-01-01 [PMID: 22957303]
- Fei J, Chen J. KIAA1530 protein is recruited by Cockayne syndrome complementation group protein A (CSA) to participate in transcription-coupled repair (TCR). *J Biol Chem* 2012-10-01 [PMID: 22902626]
- Cano F, Bye H, Duncan LM et al. The RNA-binding E3 ubiquitin ligase MEX-3C links ubiquitination with MHC-I mRNA degradation. *EMBO J* 2012-08-01 [PMID: 22863774]
- Dekker P, Gunn D, McBryan T et al. Microarray-based identification of age-dependent differences in gene expression of human dermal fibroblasts. *Mech Ageing Dev* 2012-07-01 [PMID: 22721680]
- Lenos K, Grawenda AM, Lodder K et al. Alternate splicing of the p53 inhibitor HDMX offers a superior prognostic biomarker than p53 mutation in human cancer. *Cancer Res* 2012-08-01 [PMID: 22700878]
- Schwertman P, Lagarou A, Dekkers DH et al. UV-sensitive syndrome protein UVSSA recruits USP7 to regulate transcription-coupled repair. *Nat Genet* 2012-05-01 [PMID: 22466611]
- More publications at <http://www.novusbio.com/NB100-513>





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### **Products Related to NB100-513**

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NBL1-17671	USP7 Overexpression Lysate
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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