

# Product Datasheet

## WWP1 Antibody (1A7) - Azide and BSA Free H00011059-M01

Unit Size: 0.1 mg

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

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**H00011059-M01**

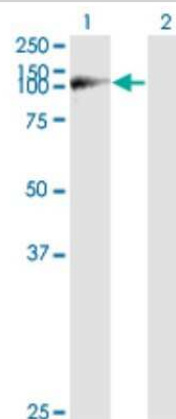
WWP1 Antibody (1A7) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	This product is unpurified. The exact concentration of antibody is not quantifiable.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	1A7
Preservative	No Preservative
Isotype	IgG2a Kappa
Purity	Ascites
Buffer	In 1x PBS, pH 7.4
Product Description	
Host	Mouse
Gene ID	11059
Gene Symbol	WWP1
Species	Human, Primate
Reactivity Notes	Primate reactivity reported in scientific literature (PMID: 23573293).
Specificity/Sensitivity	WWP1 - WW domain containing E3 ubiquitin protein ligase 1 (1A7)
Immunogen	WWP1 (NP_008944, 152 a.a. ~ 260 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. CSSSPTIEIQENGDALHENGEP SARTTARLAVEGTNGIDNHVPTSTLVQNSCCS YVNGDNT PSSPSQVAARPKNT PAKPLASEPADDTVNGESSSFAPTDNASVT GT
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 1:500, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 10ug/mL, Immunoprecipitation, Immunohistochemistry-Paraffin 3ug/mL
Application Notes	Antibody reactive against cell lysate and recombinant protein for Western Blot. Has also been used for immunofluorescence, immunohistochemistry (paraffin), and ELISA.

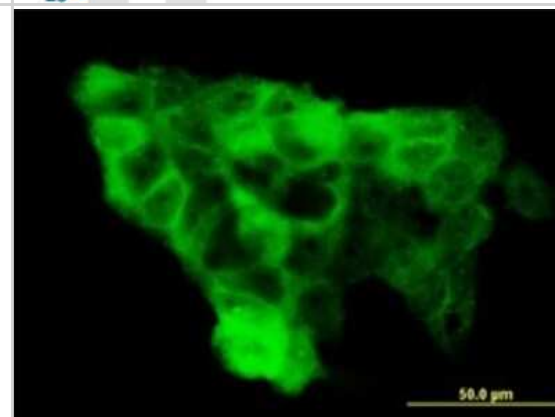


## Images

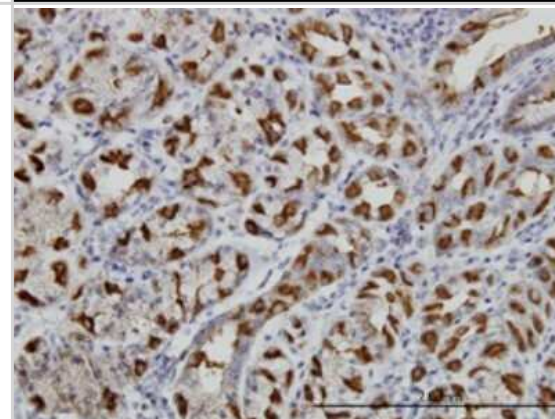
Western Blot: WWP1 Antibody (1A7) [H00011059-M01] - Analysis of WWP1 expression in transfected 293T cell line by WWP1 monoclonal antibody (M01A), clone 1A7. Lane 1: WWP1 transfected lysate(105.2 KDa). Lane 2: Non-transfected lysate.



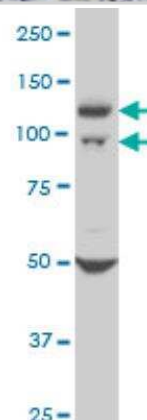
Immunocytochemistry/Immunofluorescence: WWP1 Antibody (1A7) [H00011059-M01] - Analysis of monoclonal antibody to WWP1 on A-431 cell. Antibody concentration 10 ug/ml.



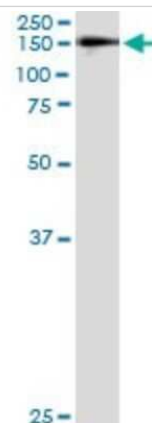
Immunohistochemistry-Paraffin: WWP1 Antibody (1A7) [H00011059-M01] - Analysis of monoclonal antibody to WWP1 on formalin-fixed paraffin-embedded human stomach. Antibody concentration 3 ug/ml.



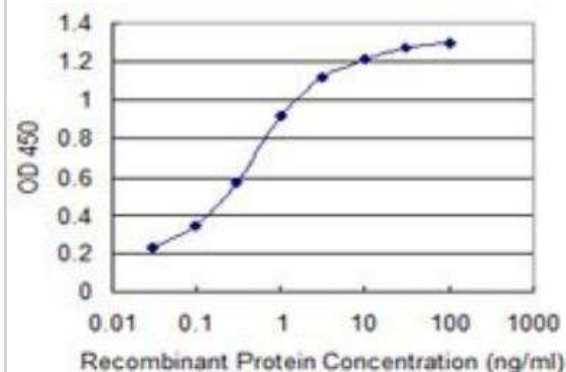
Western Blot: WWP1 Antibody (1A7) [H00011059-M01] - WWP1 expression in A-431 ( Cat # L015V1 ).



Immunoprecipitation: WWP1 Antibody (1A7) [H00011059-M01] - Analysis of WWP1 transfected lysate using anti-WWP1 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with WWP1 MaxPab rabbit polyclonal antibody.



ELISA: WWP1 Antibody (1A7) [H00011059-M01] - Detection limit for recombinant GST tagged WWP1 is 0.03 ng/ml as a capture antibody.



## Publications

Novelli G, Liu J, Biancolella M et al. Inhibition of HECT E3 ligases as potential therapy for COVID-19 Cell death & disease 2021-03-24 [PMID: 33762578]

CP Nielsen, KK Jernigan, NL Diggins, DJ Webb, JA MacGurn USP9X Deubiquitylates DVL2 to Regulate WNT Pathway Specification Cell Rep, 2019-07-23;28(4):1074-1089.e5. 2019-07-23 [PMID: 31340145]

Y Wu, J Qin, F Li, C Yang, Z Li, Z Zhou, H Zhang, Y Li, X Wang, R Liu, Q Tao, W Chen, C Chen USP3 promotes breast cancer cell proliferation by deubiquitinating KLF5 J. Biol. Chem., 2019-10-17;0(0):. 2019-10-17 [PMID: 31624151]

Kishikawa T, Higuchi H, Wang L et al. WWP1 inactivation enhances efficacy of PI3K inhibitors while suppressing their toxicities in breast cancer models The Journal of clinical investigation 2021-12-15 [PMID: 34907909] (WB, Human)

Hwang D, Kim M, Kim S Et al. AMOTL2 mono-ubiquitination by WWP1 promotes contact inhibition by facilitating LATS activation Life science alliance 2021-10-01 [PMID: 34404733] (IP, WB)

Lee YR, Chen M, Lee JD, Zhang J et al. Reactivation of PTEN tumor suppressor for cancer treatment through inhibition of a MYC-WWP1 inhibitory pathway Science 2019-05-17 [PMID: 31097636]

Chen JJ, Zhang W., et al. High expression of WWP1 predicts poor prognosis and associates with tumor progression in human colorectal cancer. Am J Cancer Res 2018-02-01 [PMID: 29511596]

Qin J, Zhou Z, Chen W et al. BAP1 promotes breast cancer cell proliferation and metastasis by deubiquitinating KLF5. Nat Commun 2015-01-01 [PMID: 26419610] (WB)

Ge F, Chen W, Qin J et al. Ataxin-3 like (ATXN3L), a member of the Josephin family of deubiquitinating enzymes, promotes breast cancer proliferation by deubiquitinating Kruppel-like factor 5 (KLF5). Oncotarget 2015-08-28 [PMID: 26079537]

Cao X, Xue L, Han L et al. WWP1 delays cellular senescence by promoting p27Kip1 degradation in human diploid fibroblasts. J Biol Chem. 2011-07-27 [PMID: 21795702]

Cheng Q, Cao X, Yuan F et al. Knockdown of WWP1 inhibits growth and induces apoptosis in hepatoma carcinoma cells through the activation of caspase3 and p53. Biochem Biophys Res Commun. 2014-05-01 [PMID: 24792179]

Chaudhary N, Maddika S. WWP2-WWP1 Ubiquitin Ligase Complex Coordinated by PPM1G Maintains the Balance Between Cellular p73 and deltaNp73 Levels. Mol Cell Biol. 2014-07-28 [PMID: 25071155]

More publications at <http://www.novusbio.com/H00011059-M01>





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### **Products Related to H00011059-M01**

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96981-0.5mg	Mouse IgG2a Kappa Isotype Control (M2AK)
NBP1-89179PEP	WWP1 Recombinant Protein Antigen

### **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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