

# Product Datasheet

## HPF1 Antibody - BSA Free NBP1-93973

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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### Publications: 4

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**NBP1-93973**

HPF1 Antibody - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

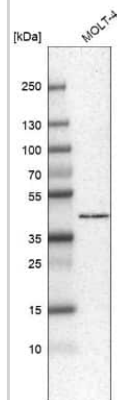
Product Description	
Host	Rabbit
Gene ID	54969
Gene Symbol	C4orf27
Species	Human
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: LVGPYDILAGKHKTKKKSTGLNFNLHWRFYYPPEFQTTIIIGDNKTQYHMGYFR DSPDEFVYVGINEAKKNCIIVPNGDNVFAA

Product Application Details	
Applications	Western Blot, Simple Western, Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Simple Western 1:25, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml
Application Notes	ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.  In Simple Western only 10 - 15 uL of the recommended dilution is used per data point. See <a href="#">Simple Western Antibody Database</a> for Simple Western validation: Tested in MOLT-4 lysate(s), separated by Size, antibody dilution of 1:25, apparent MW was 47 kDa.

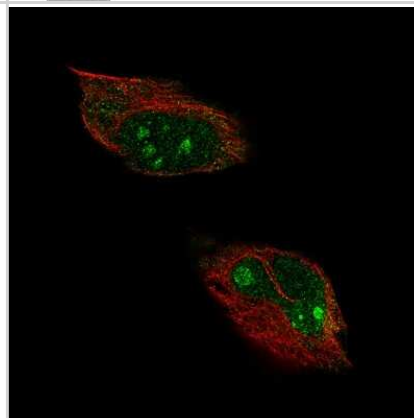


## Images

Western Blot: HPF1 Antibody [NBP1-93973] - Analysis in human cell line MOLT-4.



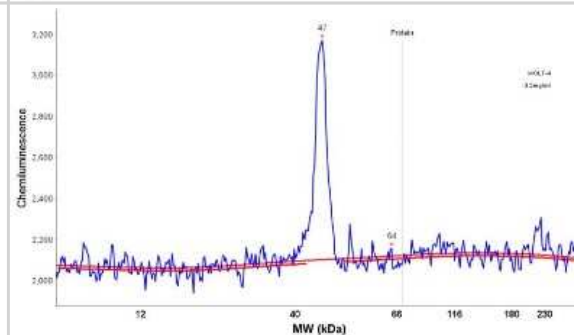
Immunocytochemistry/Immunofluorescence: HPF1 Antibody [NBP1-93973] - Staining of human cell line U-251 shows localization to nucleoli, nucleoplasm and cytosol. Antibody staining is shown in green.



Simple Western: HPF1 Antibody [NBP1-93973] - Simple Western lane view shows a specific band for C4orf27 in 0.2 mg/ml of MOLT-4 lysate (s). This experiment was performed under reducing conditions using the 12-230 kDa separation system.



Simple Western: HPF1 Antibody [NBP1-93973] - Electropherogram image of the corresponding Simple Western lane view. C4orf27 antibody was used at 1:25 dilution on MOLT-4 lysate(s) respectively.



## Publications

Gros Lambert J, Prokhorova E, Wondisford AR, Tromans-Coia C et al. The interplay of TARG1 and PARG protects against genomic instability Cell Rep 2023-09-07 [PMID: 37676774]

Wondisford AR, Lee J, Lu R et al. Deregulated DNA ADP-ribosylation impairs telomere replication Nat Struct Mol Biol 2024-05-19 [PMID: 38714889]

Ferrand J, Dabin J, Chevallier O et al. Mitotic chromatin marking governs asymmetric segregation of DNA damage bioRxiv : the preprint server for biology 2023-09-05 [PMID: 37732208] (WB, Human)

Jhanji M, Rao CN, Massey JC et al. Cis- and trans-resveratrol have opposite effects on histone serine-ADP-ribosylation and tyrosine induced neurodegeneration Nature communications 2022-06-10 [PMID: 35688816] (WB, Rat, Human)





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### **Products Related to NBP1-93973**

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NBP1-93973PEP	HPF1 Recombinant Protein Antigen
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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