

# Product Datasheet

## eRF1 Antibody - BSA Free NBP1-31113

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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**NBP1-31113**

eRF1 Antibody - BSA Free

**Product Information**

<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.01% Thimerosal
<b>Isotype</b>	IgG
<b>Purity</b>	Antigen Affinity-purified
<b>Buffer</b>	0.1M Tris (pH 7), 0.1M Glycine, 10% Glycerol
<b>Target Molecular Weight</b>	49 kDa

**Product Description**

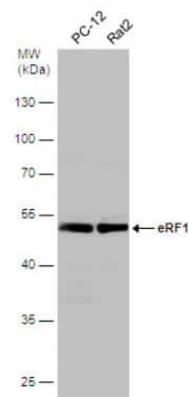
<b>Host</b>	Rabbit
<b>Gene ID</b>	2107
<b>Gene Symbol</b>	ETF1
<b>Species</b>	Human, Mouse, Rat
<b>Reactivity Notes</b>	Monkey reactivity reported in scientific literature (PMID: 25227463).
<b>Immunogen</b>	Carrier-protein conjugated synthetic peptide encompassing a sequence within the C-terminus region of human eRF1. The exact sequence is proprietary.

**Product Application Details**

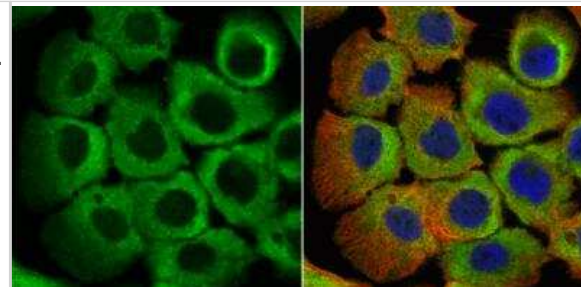
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot 1:500-1:3000, Immunohistochemistry 1:100-1:1000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunohistochemistry-Paraffin 1:100-1:1000

**Images**

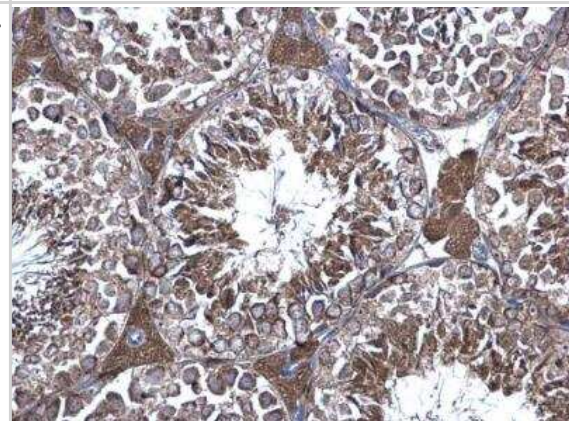
Western Blot: eRF1 Antibody [NBP1-31113] - Various whole cell extracts (30 ug) were separated by 10% SDS-PAGE, and the membrane was blotted with eRF1 antibody diluted at 1:500.



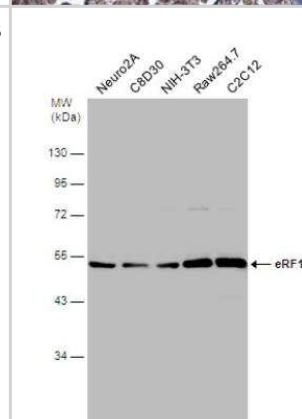
**Immunocytochemistry/Immunofluorescence: eRF1 Antibody [NBP1-31113]** - A431 cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: eRF1 protein stained by eRF1 antibody diluted at 1:500. Red: alpha Tubulin, a cytoskeleton marker, stained by alpha Tubulin antibody [114] diluted at 1:1000. Blue: Hoechst 33342 staining.



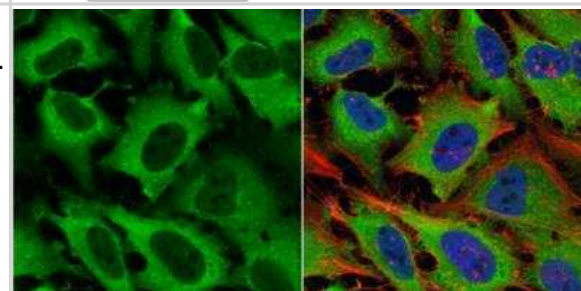
**Immunohistochemistry-Paraffin: eRF1 Antibody [NBP1-31113]** - Paraffin-embedded mouse testis. eRF1 antibody diluted at 1:500. Antigen Retrieval: Trilogy™ (EDTA based) buffer, 15min



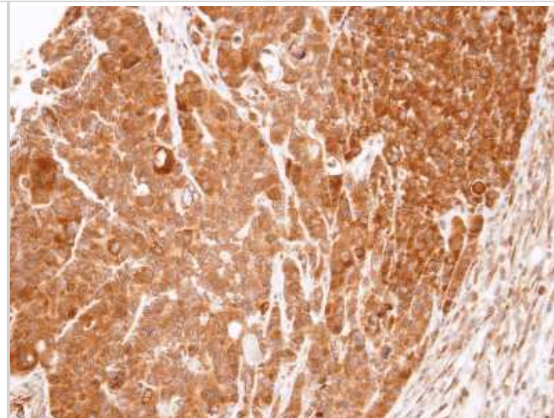
**Western Blot: eRF1 Antibody [NBP1-31113]** - Various whole cell extracts (30 ug) were separated by 10% SDS-PAGE, and the membrane was blotted with eRF1 antibody diluted at 1:500.



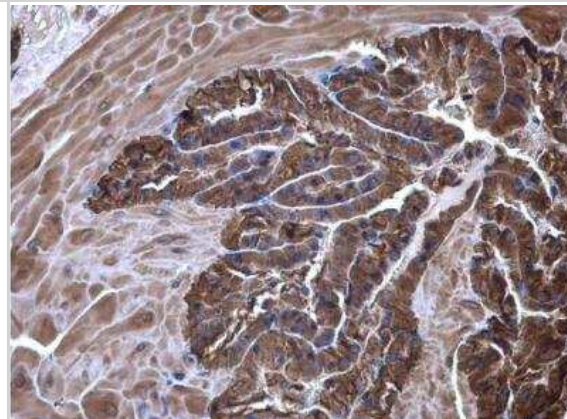
**Immunocytochemistry/Immunofluorescence: eRF1 Antibody [NBP1-31113]** - HeLa cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: eRF1 protein stained by eRF1 antibody diluted at 1:500. Red: phalloidin, a cytoskeleton marker, stained by phalloidin (invitrogen, A12380) diluted at 1:200. Blue: Hoechst 33342 staining.



Immunohistochemistry-Paraffin: eRF1 Antibody [NBP1-31113] - Paraffin-embedded SW480 xenograft, using antibody at 1:100 dilution.



Immunohistochemistry-Paraffin: eRF1 Antibody [NBP1-31113] - Paraffin-embedded mouse prostate. eRF1 antibody diluted at 1:500. Antigen Retrieval: Trilogy™ (EDTA based) buffer, 15min



## Publications

Desmet E, Anguish L, Parker J Virus-mediated compartmentalization of the host translational machinery. MBio 2014-09-16 [PMID: 25227463] (ICC/IF, WB, Monkey)

Bulygin KN, Bartuli YS, Malygin AA et al. Chemical footprinting reveals conformational changes of 18S and 28S rRNAs at different steps of translation termination on the human ribosome RNA 2016-02-01 [PMID: 26655225] (WB, Human)



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### **Products Related to NBP1-31113**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
H00002107-P01-10ug	Recombinant Human eRF1 GST (N-Term) Protein

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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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