

# Product Datasheet

## TRF-1 Antibody (TRF-78) - BSA Free NB100-1701

Unit Size: 0.05 ml

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

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**NB100-1701**

TRF-1 Antibody (TRF-78) - BSA Free

| Product Information     |  |
|-------------------------|--|
| Unit Size               | 0.05 ml  |
| Concentration           | 2.0 mg/ml  |
| Storage                 | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles. |
| Clonality               | Monoclonal   |
| Clone                   | TRF-78   |
| Preservative            | 0.09% Sodium Azide   |
| Isotype                 | IgG1   |
| Purity                  | Protein G purified   |
| Buffer                  | 10mM PBS (pH 7.4)  |
| Target Molecular Weight | 70 kDa   |

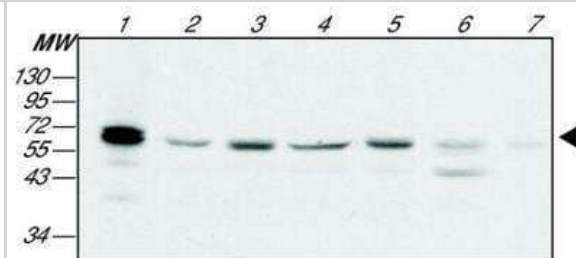
| Product Description     |   |
|-------------------------|---|
| Description             | Novus Biologicals Mouse TRF-1 Antibody (TRF-78) - BSA Free (NB100-1701) is a monoclonal antibody validated for use in WB, ELISA and ICC/IF. Anti-TRF-1 Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee. |
| Host                    | Mouse   |
| Gene ID                 | 7013  |
| Gene Symbol             | TERF1   |
| Species                 | Human   |
| Marker                  | Telomere Marker   |
| Specificity/Sensitivity | TRF1 (TRF-78)   |
| Immunogen               | Human TRF1 protein produced in baculovirus.   |

| Product Application Details |  |
|-----------------------------|--|
| Applications                | Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Microarray                                   |
| Recommended Dilutions       | Western Blot 2-4 ug/ml, ELISA 1:100-1:2000, Immunocytochemistry/ Immunofluorescence 1:10-1:500, Microarray |
| Application Notes           | In Western Blot a 70 kDa band is seen.   |

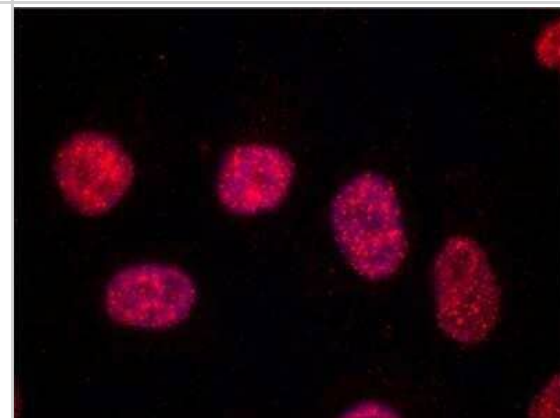


## Images

Western Blot: TRF-1 Antibody (TRF-78) [NB100-1701] - Cell line lysates were separated on SDS-PAGE and probed with 4 ug/mL Monoclonal Anti-TRF1 Clone: TRF-78. Lane 1: HeLa Nuclear, Lane 2: HeLa, Lane 3: HEK-293T, Lane 4: U2OS, Lane 5: HepG2, Lane 6: P19, Lane 7: PC12.



Immunocytochemistry/Immunofluorescence: TRF-1 Antibody (TRF-78) - BSA Free [NB100-1701] - HeLa cells were fixed and permeabilized with 4% paraformaldehyde followed by 0.5% Triton X-100. Fixed cells were stained with 10 ug/mL Monoclonal Anti-TRF1 Clone: TRF-78. The antibody was developed using Goat Anti-Mouse IgG, Cy3 conjugate. Cells were counterstained with DAPI (blue) to stain nuclei.



## Publications

Betlej G, Zabek T, Lewinska A et al. RNA 5-methylcytosine status is associated with DNMT2/TRDMT1 nuclear localization in osteosarcoma cell lines Journal of Bone Oncology 2022-07-01 [PMID: 35942470] (ICC/IF, Human)

Deregowska A, Pepek M, Pruszczyk K et al. Differential Regulation of Telomeric Complex by BCR-ABL1 Kinase in Human Cellular Models of Chronic Myeloid Leukemia-From Single Cell Analysis to Next-Generation Sequencing Genes (Basel) 2020-09-29 [PMID: 33003326] (WB, Human)

Zhu, Q, Yasumoto, H, Tsai, R Y L. Nucleostemin Delays Cellular Senescence Negatively Regulates TRF1 Protein Stability, . 26, 9279-9290. 2006-01-01 [PMID: 17000763]



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### **Products Related to NB100-1701**

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|                  |  |
|------------------|--|
| NB800-PC9        | HeLa Nuclear Cell Lysate                           |
| 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] |
| NBP1-97005-0.5mg | Mouse IgG1 Isotype Control (MG1)                   |

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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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