abcam

Product datasheet

Anti-TRF2 + TRF1 antibody [TRF-78] ab10579

★★★★★ **10 Abreviews**　**66 References**　6 图像

概述

产品名称	Anti-TRF2 + TRF1抗体[TRF-78]
描述	小鼠单克隆抗体[TRF-78] to TRF2 + TRF1
宿主	Mouse
经测试应用	**适用于:** WB, ICC/IF
种属反应性	**与反应:** Human
免疫原	Full length protein corresponding to Human TRF1. Produced in baculovirus. Database link: **P54274**
阳性对照	ICC/IF: HeLa cells. WB: HeLa, HEK-293, HepG2 and U-2 OS cell lysate. HeLa nuclear cell lysate.
常规说明	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.
	If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

性能

|	
形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
存储溶液	pH: 7.40 Preservative: 0.097% Sodium azide Constituent: 0.0268% PBS
纯度	Protein G purified
克隆	单克隆
克隆编号	TRF-78
同种型	IgG1

应用

The Abpromise guarantee　　　**Abpromise™承诺保证使用ab10579于以下的经测试应用**

"应用说明"部分 下显示的仅为**推荐的起始稀释度**；实际**最佳**的**稀释度/浓度**应**由使用者检定。**

应用	Ab评论	说明
WB	★★★★★ (3)	Use a concentration of 2 - 4 µg/ml. Predicted molecular weight: 50 kDa.
ICC/IF	★★★★★ (7)	1/100.

靶标

细胞定位	TRF2: Nucleus. Chromosome > telomere. Colocalizes with telomeric DNA in interphase cells and is located at chromosome ends during metaphase. TRF1: Nucleus. Cytoplasm > cytoskeleton > spindle. Chromosome > telomere. Colocalizes with telomeric DNA in interphase and metaphase cells and is located at chromosome ends during metaphase. Associates with the mitotic spindle.

图片

Western blot - Anti-TRF2 + TRF1 antibody [TRF-78] (ab10579)
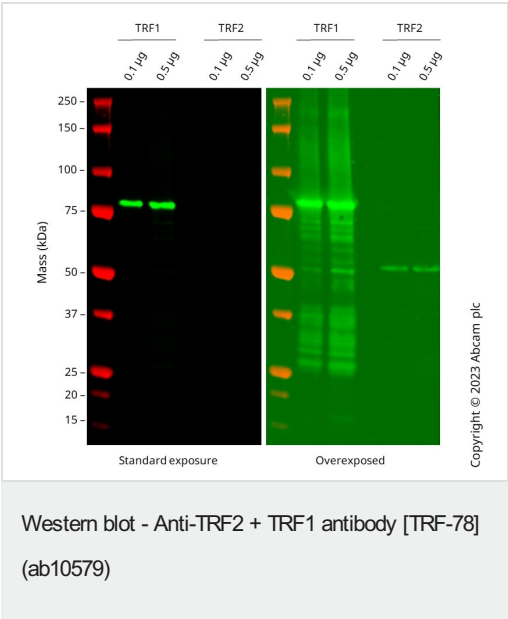
All lanes : Anti-TRF2 + TRF1 antibody [TRF-78] (ab10579) at 4 µg/ml

Lane 1 : Recombinant Human TRF1 protein cell lysate at 0.1 µg
Lane 2 : Recombinant Human TRF1 protein cell lysate at 0.5 µg
Lane 3 : Empty cell lysate
**Lane 4 :** Recombinant Human TRF2 protein cell lysate at 0.1 µg
Lane 5 : Recombinant Human TRF2 protein cell lysate at 0.5 µg

Predicted band size: 50 kDa
**Observed band size:** 80 kDa

Anti-TERF antibody [TRF-78] (ab10579) staining at 4 ug/ml, shown in green. In Western blot, ab10579 was shown to bind specifically to TERF. First, samples were run on an SDS-PAGE gel then transferred onto a nitrocellulose membrane. Membranes were blocked in 5 % milk in TBS-0.1 % Tween$®$ 20 (TBS-T) before incubation with primary antibodies overnight at 4 °C. Blots were washed four times in TBS-T, incubated with secondary antibodies for 1 h at room temperature, washed again four times then imaged. Secondary antibodies used were Goat anti-Mouse IgG H&L 800CW at 1/20000 dilution
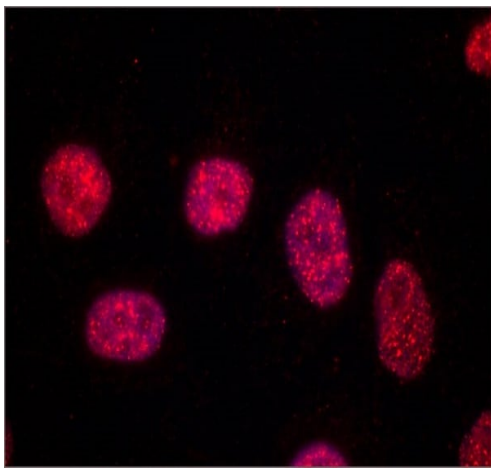
Immunocytochemistry/ Immunofluorescence - Anti-TRF2 + TRF1 antibody [TRF-78] (ab10579)

Immunocytochemistry/ Immunofluorescence analysis of HeLa (Human epithelial cell line from cervix adenocarcinoma) cells labeling TRF1 and TRF2 with ab10579. Cells were fixed and permeabilized with 4% paraformaldehyde followed by 0.5% Triton™ X-100. Fixed cells were stained with 10 µg/mL Anti-TRF2 + TRF1 antibody [TRF-78]. The antibody was developed using Goat Anti-Mouse IgG, Cy3 conjugate. Cells were counterstained with DAPI (blue) to stain nuclei.
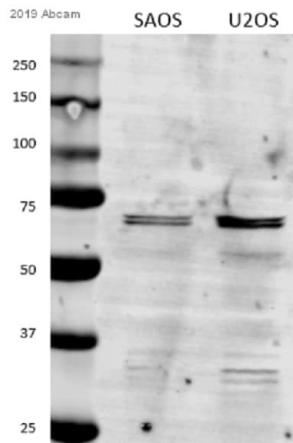
Western blot - Anti-TRF2 + TRF1 antibody [TRF-78] (ab10579)

Verified customer

All lanes : Anti-TRF2 + TRF1 antibody [TRF-78] (ab10579) at 1/1000 dilution

Lane 1 : SAOS2 (Human osteosarcoma cell line) cell lysate
Lane 2 : U-2 OS (Human bone osteosarcoma epithelial cell line) cell lysate

Lysates/proteins at 20 µg per lane.

Secondary
All lanes : Goat anti Mouse polyclonal IRDye 800CW at 1/1000 dilution
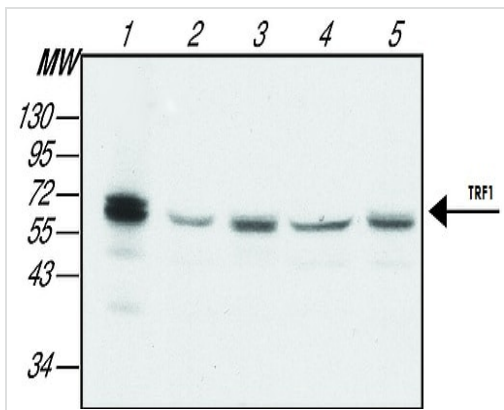
Predicted band size: 50 kDa

Exposure time: 5 minutes

Blocking step
Milk as blocking agent for 2 hours · Concentration: 5% · Temperature: 21°C.
Incubation time
12 hours · Temperature: 4°C · Diluent: 5% milk in TBST.

Western blot - Anti-TRF2 + TRF1 antibody [TRF-78] (ab10579)

All lanes : Anti-TRF2 + TRF1 antibody [TRF-78] (ab10579) at 4 µg/ml

Lane 1 : HeLa (Human epithelial cell line from cervix adenocarcinoma) nuclear cell lysate

Lane 2 : HeLa cell lysate

Lane 3 : HEK-293T (Human epithelial cell line from embryonic kidney transformed with large T antigen) cell lysate
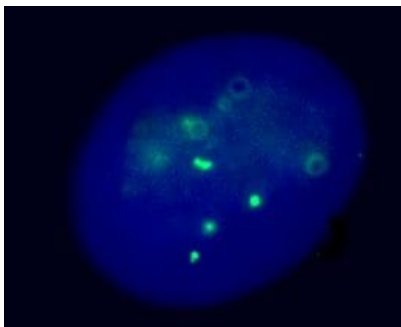
Lane 4 : U-2 OS (Human bone osteosarcoma epithelial cell line) cell lysate

Lane 5 : HepG2 (Human liver hepatocellular carcinoma cell line) cell lysate

Secondary

All lanes : Goat Anti-Mouse IgG-Peroxidase
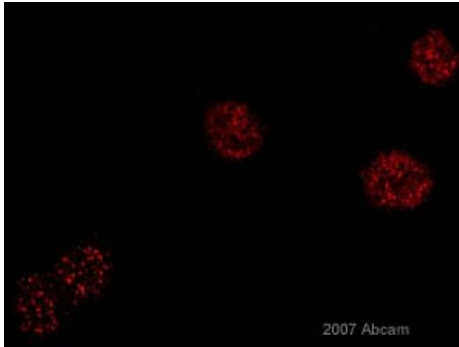
Predicted band size: 50 kDa

Immunocytochemistry/ Immunofluorescence - Anti-TRF2 + TRF1 antibody [TRF-78] (ab10579)

This image is courtesy of Luke Hughes-Davies and Rhiannon Jade, Gurdon Institute, Cambridge, UK

Immunofluorescent imaging of human cells (U2OS) with ab10579 confirms the specificity of this antibody. A few intense nuclear foci are seen in interphase cells, corresponding to telomeric localisation. The complete absence of background nuclear or cytoplasmic staining confirms the specificity of this antibody. This image is in exact agreement with numerous published reports.

IF was performed with a standard paraformaldehyde technique (fixed in PBS buffered PFH 4% for 5 minutes, permeabilised with 0.5% triton-PBS for 5 minutes, blocked with 5% milk / 0.2% tween for one hour. Primary antibody used at 1/100 in 5% milk / 0.2% TWEEN for one hour, secondary antibody for 30 minutes. All blocking and incubation steps carried out at 37 degrees. Nuclei are visualised using Hoechst stain.

ab10579 at 1/500 staining human HeLa (Human epithelial cell line from cervix adenocarcinoma) cells by ICC/IF. The cells were parafomaldehyde fixed and blocked with BSA prior to incubation with the antibody for 45 minutes. An Alexa Fluor® 555 conjugated donkey anti-mouse antibody was used as the secondary.

Immunocytochemistry/ Immunofluorescence - Anti-TRF2 + TRF1 antibody [TRF-78] (ab10579)

This image is courtesy of an anonymous Abreview

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