

Anti-TRF1 antibody ab1423

★★★★★ [4 Abreviews](#) [39 References](#) [3 图像](#)

概述	
产品名称	Anti-TRF1抗体
描述	兔多克隆抗体to TRF1
宿主	Rabbit
经测试应用	适用于: ICC, WB 不适用于: IHC-P
种属反应性	与反应: Human
免疫原	Recombinant full length protein corresponding to Human TRF1. Human full length recombinant protein expressed in bacteria.
常规说明	<p>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.</p> <p>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</p>
性能	
形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	pH: 7.20 Preservative: 0.05% Sodium azide
纯度	Whole antiserum
克隆	多克隆
同种型	IgG
应用	

The Abpromise guarantee

Abpromise™承诺保证使用ab1423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
ICC		Use at an assay dependent concentration.
WB	★☆☆☆☆ (3)	1/2000. Detects a band of approximately 60-65 kDa. An additional non specific band at 35 kDa may be observed. Denatured whole cell extracts (prepare total cell extracts with 6M urea, 1% SDS, 150 mM NaCl, 25mM Tris ph8, and then sonicate for 10 seconds)and TBS based buffers with 0.5% Tween 20 are recommended.

应用说明 Is unsuitable for IHC-P.

靶标

功能	<p>Binds the telomeric double-stranded TTAGGG repeat and negatively regulates telomere length.</p> <p>Involved in the regulation of the mitotic spindle. Component of the shelterin complex (telosome) that is involved in the regulation of telomere length and protection. Shelterin associates with arrays of double-stranded TTAGGG repeats added by telomerase and protects chromosome ends; without its protective activity, telomeres are no longer hidden from the DNA damage surveillance and chromosome ends are inappropriately processed by DNA repair pathways.</p>
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组织特异性	Highly expressed and ubiquitous. Isoform Pin2 predominates.
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序列相似性 Contains 1 HTH myb-type DNA-binding domain.

结构域	The acidic N-terminal domain binds to the ankyrin repeats of TNKS1 and TNKS2. The C-terminal domain binds microtubules.
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The TRFH dimerization region mediates the interaction with TNF2.

翻译后修饰

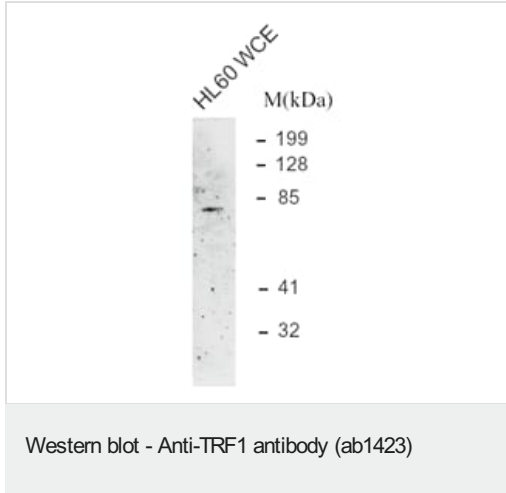
Phosphorylated preferentially on Ser-219 in an ATM-dependent manner in response to ionizing DNA damage.

ADP-ribosylation by TNKS1 or TNKS2 diminishes its ability to bind to telomeric DNA.

Ubiquitinated by RLIM/RNF12, leading to its degradation by the proteasome. Ubiquitinated by a SCF (SKP1-CUL1-F-box protein) ubiquitin-protein ligase complex, leading to its degradation by the proteasome.

细胞定位 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.

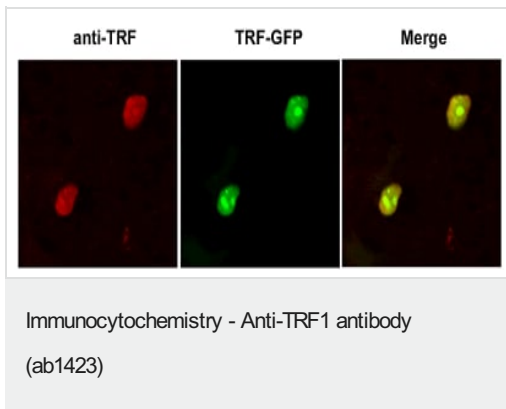
图片



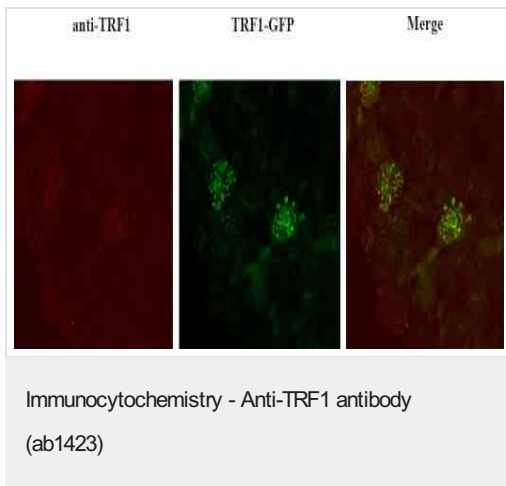
Anti-TRF1 antibody (ab1423) at 1/2000 dilution + HL-60 (Human promyelocytic leukemia cell line) whole cell extract

Observed band size: 60-65 kDa

Western blot labelling TRF1 in HL-60 (Human promyelocytic leukemia cell line) whole cell extract using ab1423 at 1/2000. A single band at 60-65 kD is detected.



Cells transfected with a TRF1-GFP construct. On the left: immunofluorescence with the anti-TRF1 antibody used at 1/300, with a Texas Red-conjugated secondary antibody. In the centre: fluorescence from the GFP. Right: merge of both images showing overlap of GFP fluorescence and antibody staining.



The cells in the first image are probably in a stage of the cell cycle where the signal is not so clear. In this image the antibody is shown to recognise the same signal but staining is shown as 20-30 spots (punctate foci).

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