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Datasheet for ABIN6991982  
**anti-TRF2 antibody (N-Term)**

### Overview

Quantity:	0.1 mg
Target:	TRF2 (TERF2)
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TRF2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

### Product Details

Immunogen:	TERF2 antibody was raised against a 17 amino acid peptide near the amino terminus of human TERF2. The immunogen is located within the first 50 amino acids of TERF2.
Isotype:	IgG
Specificity:	TERF2 antibody is human specific.
Purification:	TERF2 antibody is affinity chromatography purified via peptide column.

### Target Details

Target:	TRF2 (TERF2)
Alternative Name:	TERF2 ( <a href="#">TERF2 Products</a> )
Background:	The telomeric repeat binding factor family (TERF1 and TERF2) plays a key role in cellular

## Target Details

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immortalization and cellular senescence (1). TERF2, as a component of the telomere nucleoprotein complex, is present at telomeres in metaphase of the cell cycle (2). TERF2 is a second negative regulator of telomere length and binds as a dimer to TTAGGG repeats at ends of chromosomes (telomeres), where it blocks inappropriate activation of the ATM/p53 pathway (2,3). TERF1 negatively regulates telomere elongation, while TERF2 protects the chromosome ends by inhibiting end-to-end fusions. Down-regulation of TRF expression in tumor cells may contribute to cell immortalization and malignant progression (4,5).

Molecular Weight: Predicted: 60 kDa

Observed: 69 kDa

Gene ID: 7014

NCBI Accession: [NP\\_005643](#)

UniProt: [Q15554](#)

Pathways: [Cell Division Cycle](#), [Telomere Maintenance](#)

## Application Details

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Application Notes: TERF2 antibody can be used for detection of TERF2 by Western blot at 1 - 2  $\mu$ g/mL. Antibody can also be used for Immunohistochemistry at 5  $\mu$ g/mL.

Antibody validated: Western Blot in human samples and Immunohistochemistry in human samples. All other applications and species not yet tested.

Restrictions: For Research Use only

## Handling

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Format: Liquid

Concentration: 1 mg/mL

Buffer: TERF2 Antibody is supplied in PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, 4 °C

## Handling

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Storage Comment: TERF2 antibody can be stored at 4°C for three months and -20°C, stable for up to one year.