

Datasheet for 600-401-FC6**TERF2 Antibody****Overview**

Description:	Anti-TERF2 (RABBIT) Antibody - 600-401-FC6
Item No.:	600-401-FC6
Size:	100 µg
Applications:	ELISA, IHC, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	The telomeric repeat binding factor family (TERF1 and TERF2) plays a key role in cellular 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).
Synonyms:	TERF2 Antibody, TRF2, TRBF2, TRF2, Telomeric repeat-binding factor 2, TTAGGG repeat-binding factor 2
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	TERF2
Reactivity:	Human
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-TERF2 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 17 amino acid peptide near the N-terminus of human TERF2.

Purity/Specificity:	Anti-TERF2 antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. TERF2 antibody is human specific.
Relevant Links:	• UniProtKB - Q15554 • GeneID - 7014 • NCBI - NP_005643

Application Details

Tested Applications:	ELISA, IHC, WB
Application Note:	Anti-TERF2 Antibody has been tested for use in ELISA, Western Blotting, and Immunohistochemistry. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 60 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000 - 1:20,000
IHC:	5 µg/mL
WB:	1-2 µg/mL

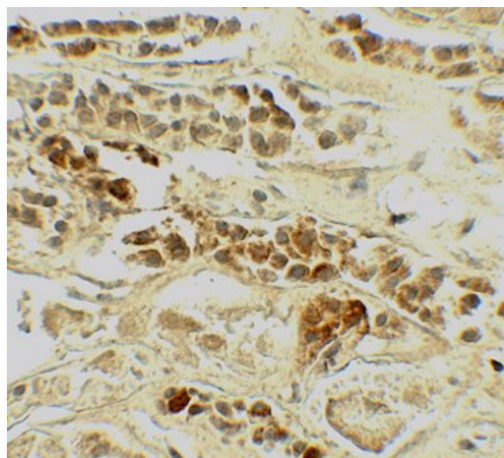
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images

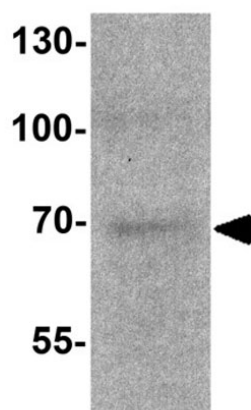


Immunohistochemistry

Immunohistochemistry of TERF2.

Tissue: human kidney tissue.

Primary Antibody: TERF2 antibody at 5 µg/mL.



Western Blot

Western blot of TERF2.

Load: 293 cell lysate.

Primary Antibody: TERF2 antibody at 1 µg/ml.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.