

Datasheet for 600-401-FN2**TRBP1 Antibody****Overview**

Description:	Anti-TRBP1 (RABBIT) Antibody - 600-401-FN2
Item No.:	600-401-FN2
Size:	100 µg
Applications:	ELISA, WB
Reactivity:	Human, Mouse
Host Species:	Rabbit

Product Details

Background:	The human trans-activation response (TAR) RNA binding protein 1 (TRBP1) was initially identified as a protein that binds to the HIV-1 TAR RNA and activates the long terminal repeat (LTR) expression in the absence and presence of the viral trans-activator Tat. This binding is enhanced by the presence of co-factors such as elongation factor 1a (EF-1a), polypyrimidine tract-binding protein (PTB), and the chaperonin-like protein stimulator of TAR RNA-binding proteins (SRB). TRBP1 may act to disengage RNA polymerase II from TAR during transcriptional elongation if the RNA polymerase stalls at the TAR during transcriptional elongation.
Synonyms:	TRBP1 Antibody, TRM3, TRP185, TRP-185, TRM3, Probable methyltransferase TARBP1, TAR RNA-binding protein 1
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	TARBP1
Reactivity:	Human, Mouse
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-TRBP1 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 17 amino acid synthetic peptide from near the internal region of human TRBP1.

Purity/Specificity: Anti-TRBP1 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with TRBP1 from other sources has not been determined.

Relevant Links:

- [UniProtKB - Q13395](#)
- [GeneID - 6894](#)
- [NCBI - NP_005637.3](#)

Application Details

Tested Applications: ELISA, WB

Application Note: Anti-TRBP1 Antibody has been tested for use in ELISA and Western Blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 182 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

WB: 1-2 µg/mL

Formulation

Physical State: Liquid (sterile filtered)

Concentration: 1 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

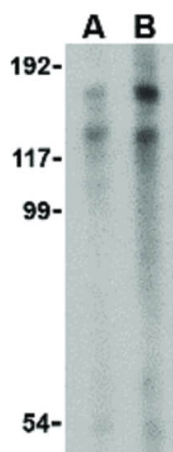
Shipping & Handling

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



Western Blot

Western Blot of TRBP1 antibody. Lane A: 3T3 Cell lysate at 1 µg/mL. Lane B: 3T3 Cell lysate at 2 µg/mL.

Load: 35 µg per lane. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT.

Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 64.4 kDa, ~179 kDa for TRBP1. Other band(s): TRBP1 splice variants and isoforms.

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.