

Datasheet for 600-401-GC1**ZBTB7A Antibody****Overview**

Description:	Anti-ZBTB7A (RABBIT) Antibody - 600-401-GC1
Item No.:	600-401-GC1
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse
Host Species:	Rabbit

Product Details

Background:	The ZBTB family of proteins is comprised of diverse zinc finger proteins that also contain a BTB (BR-C, ttk and bab) domain. ZBTB7A, also known as LRF, was initially identified as a potential target of the LAZ-3/BCL-6 oncogene. Later reports demonstrated that it could bind to the wild-type IST (inducer of short transcripts) elements of HIV-1 long terminal repeats (LTRs) and stimulate Tat activity on the HIV-1 LTR. More recently it ZBTB7A has been recognized as a proto-oncogene whose overexpression contributes to malignancy in breast cancer and functions as a co-repressor of the androgen receptor in prostate cancer cells.
Synonyms:	ZBTB7A Antibody, LRF, FBI1, FBI-1, ZBTB7, ZNF857A, pokemon, LRF, Zinc finger and BTB domain-containing protein 7A, Factor binding IST protein 1
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	ZBTB7A
Reactivity:	Human, Mouse
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-ZBTB7A antibody was prepared from whole rabbit serum produced by repeated immunizations with a 16 amino acid synthetic peptide near the N-terminus of human ZBTB7A.

Purity/Specificity:	Anti-ZBTB7A Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. At least two isoforms of ZBTB7A are known to exist; this antibody will recognize both isoforms. This antibody is predicted to not cross-react with other ZBTB protein family members.
Relevant Links:	• UniProtKB - O95365 • GeneID - 51341 • NCBI - NP_001304919.1

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-ZBTB7A Antibody has been tested for use in ELISA, Western Blotting, Immunohistochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 61 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
IF:	20 µg/mL
IHC:	2.5 µg/mL
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

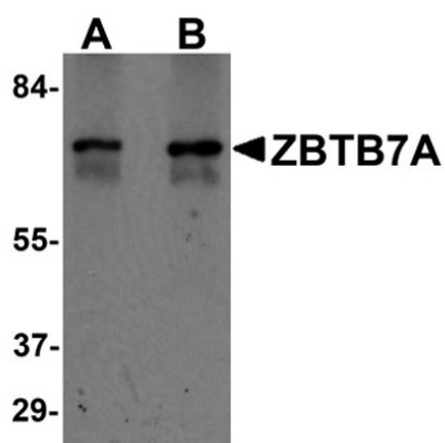
Shipping & Handling

Shipping Condition:	Dry Ice
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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

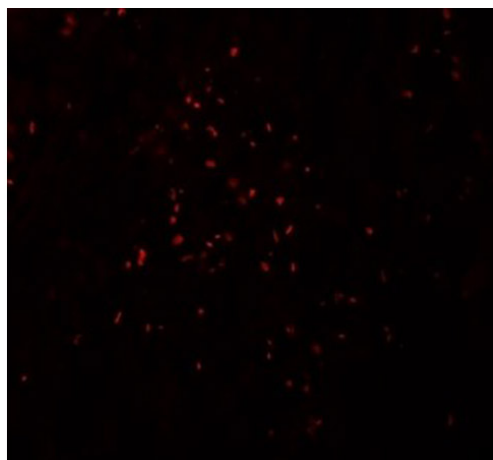


Western Blot

Western blot analysis of ZBTB7A.

Load: human ovary tissue lysate.

Primary Antibody: ZBTB7A antibody at (A) 1µg/mL and (B) 2µg/mL.

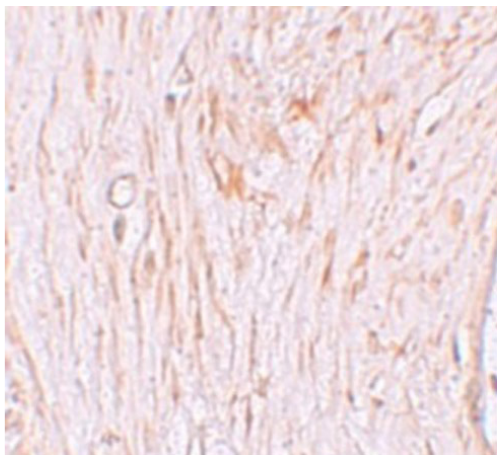


Immunofluorescence Microscopy

Immunofluorescence of ZBTB7A.

Tissue: human ovary tissue.

Primary Antibody: ZBTB7A antibody at 20 µg/mL.

**Immunohistochemistry**

Immunohistochemistry of ZBTB7A.

Tissue: human ovary tissue.

Primary Antibody: ZBTB7A antibody at 2.5 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.