

Datasheet for 100-401-W41**ZBTB4 Antibody****Overview**

Description:	Anti-ZBTB4 (RABBIT) Antibody - 100-401-W41
Item No.:	100-401-W41
Size:	100 µL
Applications:	ELISA, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	ZBTB4 is a KAISO like protein which binds to methylated DNA and regulates the transcription of methylated targets. Unlike KAISO, ZBTB4 is able to bind to single methylated CpG's. ZBTB4 acts as a transcriptional repressor protein and has been shown to be downregulated in the advanced stage of different tumours. Anti-ZBTB4 Antibody is ideal for research in Epigenetics, Gene Expression and Cancer.
Synonyms:	Zinc finger and BTB domain containing protein 4, KAISO-like zinc finger protein 1, KAISO-L1, KIAA1538
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	Antiserum

Target Details

Gene Name:	ZBTB4
Reactivity:	Human
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-ZBTB4 Antibody was produced in rabbits by repeated immunizations with four different synthetic peptides of human ZBTB4.
Purity/Specificity:	Anti-ZBTB4 Antibody is monospecific antiserum processed by delipidation and defibrination followed by sterile filtration. Cross reactivity with ZBTB4 from other species not tested.

Relevant Links:	• UniProtKB - Q9P1Z0 • GeneID - 57659 • NCBI - NP_001122305.1
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Application Details

Tested Applications:	ELISA, WB
Application Note:	Anti-ZBTB4 Antibody has been tested by ELISA and Western Blots. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 105 kDa in the appropriate cell lysate or extract.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:1,000 - 1:5,000
WB:	1:1,000

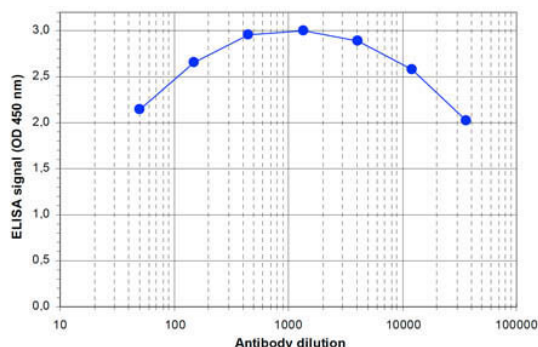
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	neat
Buffer:	None
Preservative:	0.05% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

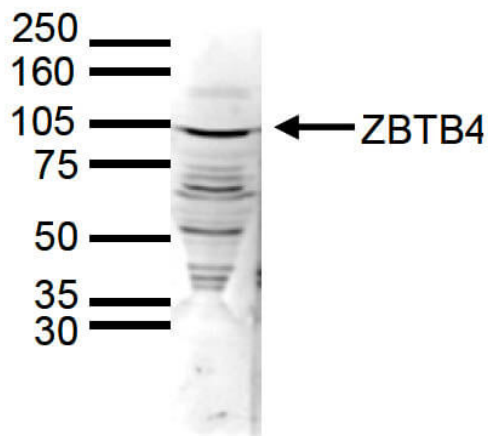
Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several 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



ELISA

ELISA results of Rabbit anti-ZBTB4 antibody. Antigen: BSA conjugated ZBTB4. Coating amount: 0.1 µg per well. Dilution series: serial dilution. Estimated Antibody Titer to be 1:50,000. Substrate: TMB (p/n TMBE-1000).



Western Blot

Western Blot results of Rabbit anti-ZBTB4 antibody. Lane 1: HeLa nuclear extract cells. Load: 40 µg per lane. Primary antibody: ZBTB4 antibody at 1:1,000 for overnight at 4°C. Secondary antibody: goat anti-rabbit HRP secondary antibody at 1:10,000 for 45 min at RT. Block: 5% Blotto/TBS-Tween overnight at 4°C. Predicted: 105kDa.

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.