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Datasheet for 600-401-GA8

ZBED1 Antibody

Overview

Description:	Anti-ZBED1 (RABBIT) Antibody - 600-401-GA8
Item No.:	600-401-GA8
Size:	100 µg
Applications:	ELISA, WB
Reactivity:	Human, Mouse
Host Species:	Rabbit

Product Details

Background:	ZBED1, also known as DREF, is the human homolog of the Drosophila protein DREF, a transcriptional regulatory factor required for expression of genes involved in DNA replication and cell proliferation. RNA interference (RNAi) experiments targeting ZBED1 RNA resulted in the inhibition of S phase entry and reduction of histone H1 mRNA in HeLa cells, suggesting that ZBED1 also plays a role in cell proliferation in human cells. At least 22 ribosomal proteins (RPs) possess ZBED1 binding sites in their promoters; anti-ZBED1 RNAi also resulted in decreased RP gene expression. Immunoprecipitation analyses have shown that ZBED1 self-associates in vivo via a carboxyl-terminal hATC domain, and this self-association is required for nuclear localization and DNA binding.
Synonyms:	ZBED1 Antibody, ALTE, DREF, TRAMP, hDREF, ALTE, KIAA0785, Zinc finger BED domain-containing protein 1, Putative Ac-like transposable element
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	ZBED1
Reactivity:	Human, Mouse
Immunogen Type:	Conjugated Peptide

Immunogen:	Anti-ZBED1 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 15 amino acid synthetic peptide from near the internal region of human ZBED1.
Purity/Specificity:	Anti-ZBED1 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. This antibody is predicted to have no cross-reactivity to ZBED2 or ZBED3.
Relevant Links:	• UniProtKB - O96006 • GeneID - 9189 • NCBI - NP_001164606.1

Application Details

Tested Applications:	ELISA, WB
Application Note:	Anti-ZBED1 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 78 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
WB:	1 µg/mL

Formulation

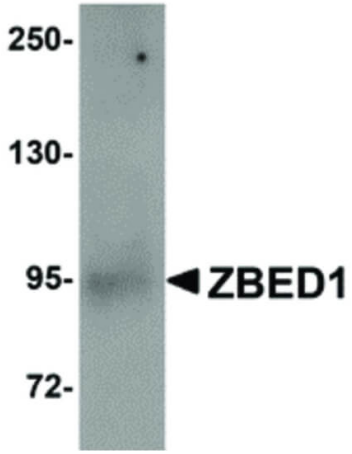
Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

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 ZBED1 antibody. Lane 1: A549 cell lysate with ZBED1 antibody at 1 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: 78 kDa, 95 kDa for ZBED1. Other band(s): ZBED1 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.