

Datasheet for 600-401-GD0**ZEB1 Antibody****Overview**

Description:	Anti-ZEB1 (RABBIT) Antibody - 600-401-GD0
Item No.:	600-401-GD0
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	ZEB1, initially identified as the delta-crystallin enhancer binding protein delta EF1, is a DNA-binding protein that binds to a modified E-box sequence and has been implicated in post gastrulation embryogenesis. ZEB1 binds to the promoter of several hemopoietic genes, including interleukin-2, CD4, GATA-3, and alpha-integrin, and mice in which ZEB1 has been targeted show thymic atrophy, and severe defects in lymphocyte differentiation. Recent evidence suggests that ZEB1 also regulates the accumulation of adipose tissue and may play a role in obesity. Mutations in this gene have been associated with late-onset Fuchs endothelial corneal dystrophy.
Synonyms:	ZEB1 Antibody, BZP, TCF8, AREB6, FECD6, NIL2A, PPCD3, ZFHEP, ZFHX1A, DELTAEF1, Zinc finger E-box-binding homeobox 1, NIL-2-A zinc finger protein, TCF-8
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	ZEB1
Reactivity:	Human
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-ZEB1 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 15 amino acid synthetic peptide near the internal region of human ZEB1.

Purity/Specificity: Anti-ZEB1 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with ZEB1 from other sources has not been determined.

Relevant Links:

- [UniProtKB - P37275](#)
- [GeneID - 6935](#)
- [NCBI - NP_001121600.1](#)

Application Details

Tested Applications: ELISA, IF, IHC, WB

Application Note: Anti-ZEB1 Antibody has been tested for use in ELISA, Western Blotting, Immunocytochemistry, immunohistochemistry, and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 124 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

IF: 20 µg/mL

IHC: 5 µg/mL

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

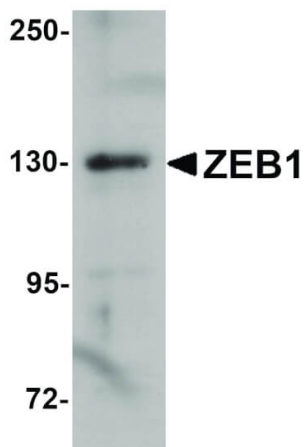
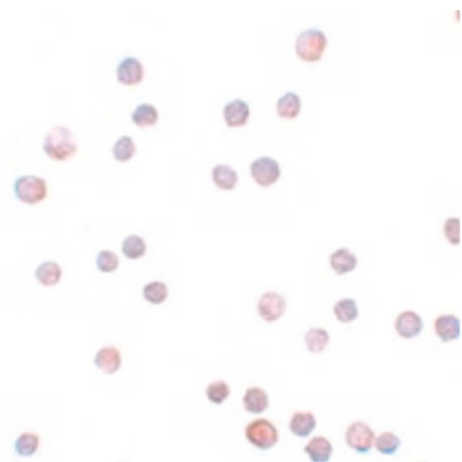
Shipping & Handling

Shipping Condition: Wet Ice

Storage Condition: Antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures.

Expiration:

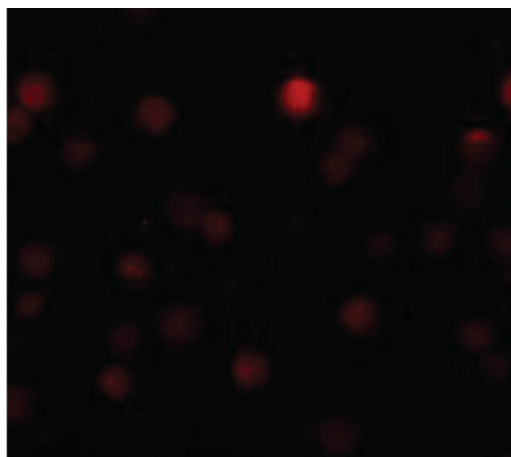
Expiration date is one (1) year from date of receipt.

Images**Immunohistochemistry**

Immunocytochemistry of ZEB1 antibody. Tissue: HeLa cells. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: ZEB1 antibody at 20 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: ZEB1 is nuclear and cytoplasmic. Staining: ZEB1 as precipitated blue signal with pink nuclear counterstain.

Western Blot

Western Blot of ZEB1 antibody. Lane 1: HeLa cell lysate with ZEB1 antibody at 1 µg/mL. 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: 124 kDa, 130 kDa for ZEB1. Other band(s): ZEB1 splice variants and isoforms.

**Immunofluorescence Microscopy**

Immunofluorescence Microscopy of ZEB1 antibody. Tissue: HeLa cells. Fixation: 0.5% PFA. Antigen retrieval: not required. Primary antibody: ZEB1 antibody at 20 µg/mL for 1 h at RT. Secondary antibody: Fluorescein rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: ZEB1 is nuclear and cytoplasmic. Staining: ZEB1 as red fluorescent signal.

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.