

KD-Validated Anti-Zinc Finger E-Box Binding Homeobox 1 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

Catalog # AGI1725

Specification

KD-Validated Anti-Zinc Finger E-Box Binding Homeobox 1 Rabbit Monoclonal Antibody - Product Information

Application WB, FC Primary Accession P37275

Reactivity
Clonality
Human, Mouse
Monoclonal
Isotype
Rabbit IgG

Calculated MW Predicted, 124 kDa , observed , 200 kDa

KDa ZEB1

Gene Name ZEE Aliases ZEE

ZEB1; Zinc Finger E-Box Binding Homeobox 1; AREB6; Zfhx1a; Zfhep; FECD6; TCF8; BZP; Transcription Factor 8 (Represses Interleukin 2 Expression); Posterior Polymorphous Corneal Dystrophy 3; Zinc Finger E-Box-Binding Homeobox 1;

Negative Regulator Of IL2; NIL-2-A; PPCD3;

ZEB; Zinc Finger Homeodomain

Enhancer-Binding Protein; Delta-Crystallin Enhancer Binding Factor 1; NIL-2-A Zinc Finger Protein; Transcription Factor 8;

DELTAEF1; NIL2A; TCF-8

Immunogen A synthesized peptide derived from human

AREB6

KD-Validated Anti-Zinc Finger E-Box Binding Homeobox 1 Rabbit Monoclonal Antibody - Additional Information

Gene ID **6935**

Other Names

Zinc finger E-box-binding homeobox 1 {ECO:0000312|HGNC:HGNC:11642}, NIL-2-A zinc finger protein {ECO:0000303|Ref.26}, Negative regulator of IL2, Transcription factor 8, TCF-8, ZEB1 (HGNC:11642)

KD-Validated Anti-Zinc Finger E-Box Binding Homeobox 1 Rabbit Monoclonal Antibody - Protein Information

Name ZEB1 (<u>HGNC:11642</u>)

Function

Acts as a transcriptional repressor. Inhibits interleukin-2 (IL-2) gene expression. Enhances or represses the promoter activity of the ATP1A1 gene depending on the quantity of cDNA and on the



cell type. Represses E-cadherin promoter and induces an epithelial-mesenchymal transition (EMT) by recruiting SMARCA4/BRG1. Represses BCL6 transcription in the presence of the corepressor CTBP1. Positively regulates neuronal differentiation. Represses RCOR1 transcription activation during neurogenesis. Represses transcription by binding to the E box (5'-CANNTG-3'). In the absence of TGFB1, acts as a repressor of COL1A2 transcription via binding to the E-box in the upstream enhancer region (By similarity).

Cellular Location Nucleus

Tissue Location

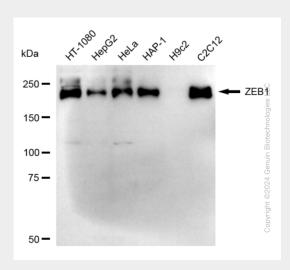
Colocalizes with SMARCA4/BRG1 in E-cadherin- negative cells from established lines, and stroma of normal colon as well as in de-differentiated epithelial cells at the invasion front of colorectal carcinomas (at protein level). Expressed in heart and skeletal muscle, but not in liver, spleen, or pancreas

KD-Validated Anti-Zinc Finger E-Box Binding Homeobox 1 Rabbit Monoclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

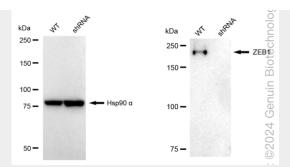
- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

KD-Validated Anti-Zinc Finger E-Box Binding Homeobox 1 Rabbit Monoclonal Antibody - Images

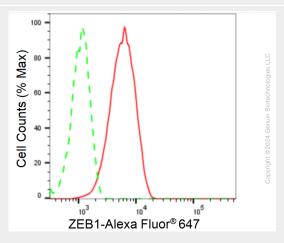


Western blotting analysis using anti-ZEB1 antibody (Cat#AGI1725). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-ZEB1 antibody (Cat#AGI1725, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.





Western blotting analysis using anti-ZEB1 antibody (Cat#AGI1725). ZEB1 expression in wild type (WT) and ZEB1 shRNA knockdown (KD) HeLa cells with 20 μ g of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-ZEB1 antibody (Cat#AGI1725, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Flow cytometric analysis of ZEB1 expression in C2C12 cells using anti-ZEB1 antibody (Cat#AGI1725, 1:2,000). Green, isotype control; red, ZEB1.