

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

Rabbit monoclonal antibody
Catalog # AGI1725

Product Information

Application	WB, FC
Primary Accession	P37275
Reactivity	Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	24GB2265
Calculated MW	124074
Gene Name	ZEB1
Aliases	ZEB1; Zinc Finger E-Box Binding Homeobox 1; AREB6; Zfhx1a; Zfhxp; 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

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)

Protein Information

Name	ZEB1 (HGNC:11642)
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 TGFβ1, 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

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