



ZEB1 Polyclonal Antibody

Catalog No	YP-Ab-07855
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;ELISA
Gene Name	ZEB1 AREB6 TCF8
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	ZEB1 Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	AREB6;NIL2A;NIL-2-A zinc finger protein;TCF8;TCF-8;ZEB1;ZEB1 AREB6 TCF8;Zinc finger E-box-binding homeobox 1 (NIL-2-A zinc finger protein) (Negative regulator of IL2) (Transcription factor 8) (TCF-8)
Observed Band	190-210 kDa
Calculated Molecular Weight	1125 aa, 124 kDa
Cell Pathway	Nucleus .
Tissue Specificity	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.
Function	disease:Defects in ZEB1 are the cause of posterior polymorphous corneal dystrophy type 3 (PPCD3) [MIM:609141]. Posterior polymorphous corneal dystrophy (PPCD) is a rare disease involving metaplasia and overgrowth of corneal endothelial cells. In patients with PPCD, these cells manifest in an epithelial morphology and gene expression pattern, produce an aberrant basement membrane, and, sometimes, spread over the iris and nearby structures in a way that increases the risk for glaucoma.,function:Inhibits interleukin-2 (IL-2) gene expression. May be responsible for transcriptional

repression of the IL-2 gene. Enhances or represses the promoter activity of the ATP1A1 gene depending on the quantity of cDNA and on the cell type., similarity:Belongs to the delta-EF1/ZFH-1 C2H2-type zinc-finger family., similarity:Contains 1 homeobox DNA-binding domain.,similarity:Contains 7 C2H2-type zinc fingers.

Background

This gene encodes a zinc finger transcription factor. The encoded protein likely plays a role in transcriptional repression of interleukin 2. Mutations in this gene have been associated with posterior polymorphous corneal dystrophy-3 and late-onset Fuchs endothelial corneal dystrophy. Alternatively spliced transcript variants encoding different isoforms have been described.[provided by RefSeq, Mar 2010],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images