
Product Name: KD-Validated Zinc Finger E-Box Binding Homeobox 1 Recombinant Rabbit Monoclonal Antibody

Catalog #: KVA00876

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,M
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 124.1kDa

Antigen Information

Gene Name	ZEB1 ZEB1; Zinc Finger E-Box Binding Homeobox 1; AREB6; Zfhx1a; Zfhpf; FECD6; TCF8; BZP; Transcription Factor 8 (Represses Interleukin 2 Expression); Posterior Polymorphous Corneal
Alternative Names	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
Gene ID	6935.0
SwissProt ID	P37275
Immunogen	A synthesized peptide derived from human AREB6

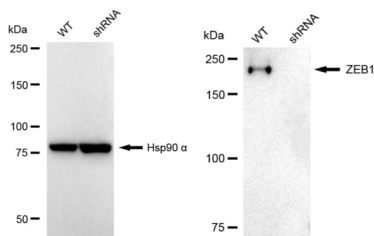
Background

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]

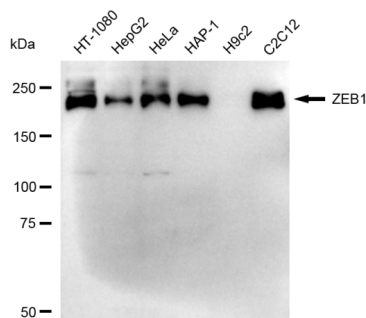
Research Area

Epigenetics and Nuclear Signaling,Cancer

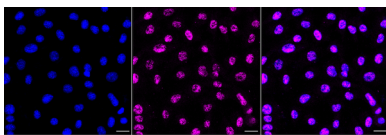
Image Data



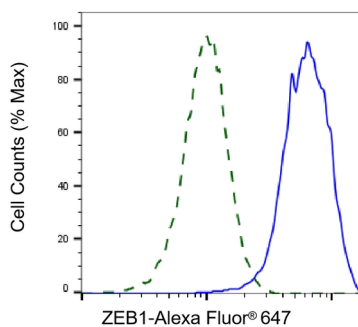
Western blotting analysis using ZEB1 antibody (KVA00876). ZEB1 expression in wild type (WT) and ZEB1 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with ZEB1 antibody (KVA00876, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



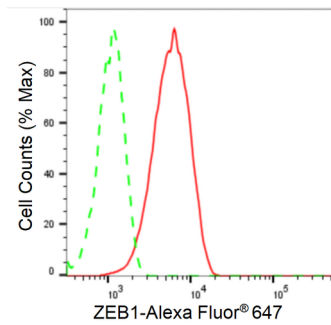
Western blotting analysis using ZEB1 antibody (KVA00876). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with ZEB1 antibody (KVA00876, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of C2C12 cells with ZEB1 antibody (KVA00876, 1:1,000). Nuclei were stained blue with DAPI; ZEB1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser intensity and smart gain: Medium. Scale bar, 20 µm.



Validation of ZEB1 knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with ZEB1 antibody (KVA00876, 1:2,000) and analyzed using BD flow cytometer.



Flow cytometric analysis of ZEB1 expression in C2C12 cells using ZEB1 antibody (KVA00876, 1:2,000). Green, isotype control; red, ZEB1.