


Anti-ZEB1 antibody ab81972

★★★★★ [2 Abreviews](#) [7 References](#) [2 图像](#)

概述

产品名称	Anti-ZEB1抗体
描述	山羊多克隆抗体to ZEB1
宿主	Goat
特异性	ab81972 is expected to recognize both reported isoforms (NP_001121600.1; NP_110378.3).
经测试应用	适用于: WB, ICC/IF
种属反应性	与反应: Mouse 预测可用于: Chicken, Hamster, Cow, Xenopus laevis, Cynomolgus monkey, Orangutan 
免疫原	Synthetic peptide corresponding to Human ZEB1 aa 309-323 (internal sequence). According to NP_001121600.1 (or 325-339 of NP_110378.3). Sequence: C-RPQIRQKIENKPLQE

Database link: [NP_001121600.1](#)

 [Run BLAST with](#)

 [Run BLAST with](#)

阳性对照 ICC/IF: U2OS cells

常规说明

The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.

If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
存储溶液	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 0.5% BSA, 0.5% Tris buffered saline
纯度	Immunogen affinity purified

纯化说明	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee **Abpromise™** 承诺保证使用ab81972于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度；实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB	★☆☆☆☆ (1)	Use a concentration of 0.05 - 0.2 µg/ml. Predicted molecular weight: 124 kDa. A 1 hour primary incubation is recommended for this product.
ICC/IF	★☆☆☆☆ (1)	Use a concentration of 10 µg/ml.

靶标

功能	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. 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. Promotes tumorigenicity by repressing stemness-inhibiting microRNAs.
组织特异性	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.
疾病相关	Defects in ZEB1 are the cause of posterior polymorphous corneal dystrophy type 3 (PPCD3) [MIM:609141]. 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. Defects in ZEB1 are the cause of corneal dystrophy Fuchs endothelial type 6 (FECD6) [MIM:613270]. It is an ocular disorder caused by loss of endothelium of the central cornea. It is characterized by focal wart-like guttata that arise from Descemet membrane and develop in the central cornea, epithelial blisters, reduced vision and pain. Descemet membrane is thickened by abnormal collagenous deposition.
序列相似性	Belongs to the delta-EF1/ZFH-1 C2H2-type zinc-finger family. Contains 7 C2H2-type zinc fingers. Contains 1 homeobox DNA-binding domain.
细胞定位	Nucleus.

图片



Western blot - Anti-ZEB1 antibody (ab81972)

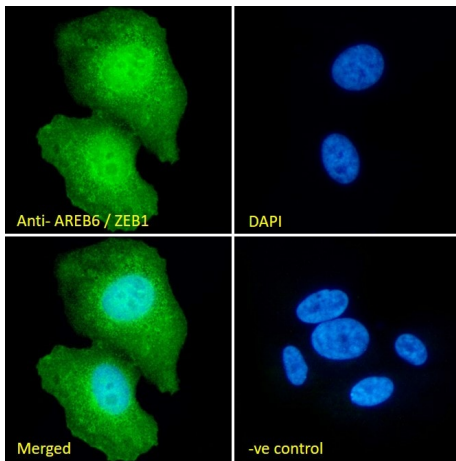
Anti-ZEB1 antibody (ab81972) at 0.05 µg/ml + Mouse heart tissue lysate in ripa buffer at 35 µg

Developed using the ECL technique.

Predicted band size: 124 kDa

Observed band size: 100 kDa

Exposure time: 1 hour



Immunocytochemistry/ Immunofluorescence - Anti-ZEB1 antibody (ab81972)

Immunocytochemistry/Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10µg/mL) followed by Alexa Fluor 488 secondary antibody (2µg/mL), showing nuclear and cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10µg/mL) followed by Alexa Fluor 488 secondary antibody (2µg/mL).

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