

Rabbit Anti-ZEB1 Polyclonal: RC0289

Intended Use: For Research Use Only

Description: ZEB1 (zinc finger homeodomain enhancer-binding protein) is a non-receptor transcription factor analogous to the Drosophila ZFH-1 protein. ZEB1 contains two separate zinc finger domains (ZD1 and ZD2), which are essential for DNA binding and repression, and a homeodomain (HD), which is not. ZEB1 also contains three repression domains, two of which flank ZD1, and a third located between HD and ZD2. ZEB1 represses transcription by site competition and enhancer silencing mechanisms, as well as by interacting with corepressors through its repression domains. Interaction of ZEB1 with the TSH β gene T3-response element may play a role in the modification of gene-specific regulation by thyroid hormones. In the embryo, ZEB1 is primarily expressed in the mesoderm, but changes in the level of expression during tissue maturation suggest a role for ZEB1 in the early histogenesis of mesodermal tissues. In addition to its role as an embryonic gene regulator, ZEB1 is also involved in regulating the development of certain skeletal structures.

Specifications

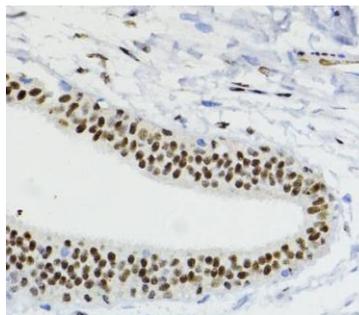
Clone: Polyclonal
 Source: Rabbit
 Isotype: IgG
 Reactivity: Human, mouse, rat
 Immunogen: Recombinant protein of human ZEB1
 Localization: Nucleus
 Formulation: Antibody in PBS pH7.4, containing BSA and $\leq 0.09\%$ sodium azide (NaN₃)
 Storage: Store at 2°- 8°C
 Applications: IHC, ICC/IF, WB
 Package:

Description	Catalog No.	Size
ZEB1 Concentrated	RC0289	1 ml

IHC Procedure*

Positive Control Tissue: Testis, cervical and rectum cancer
 Concentrated Dilution: 10-50
 Pretreatment: Tris EDTA pH9.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
 Incubation Time and Temp: Overnight @ 4°C
 Detection: Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.



FFPE human mammary cancer stained with anti-ZEB1 using DAB

References:

1. Prognostic Role of Epithelial-Mesenchymal Transition Markers "E-Cadherin, β -Catenin, ZEB1, ZEB2 and p63" in Bladder Carcinoma. Moussa RA, et al. World J Oncol 10:199-217, 2019.
2. Downregulation of intratumoral expression of miR-205, miR-200c and miR-125b in primary human cutaneous melanomas predicts shorter survival. Sánchez-Sendra B, et al. Sci Rep 8:17076, 2018.

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Rev. A