

Anti-ZEB1 Monoclonal Antibody

Catalog # ABO14576

Product Information

Application	WB, IHC, IF, ICC, FC
Primary Accession	P37275
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Human
Clonality	Monoclonal
Format	Liquid
Description	Anti-ZEB1 Monoclonal Antibody . Tested in WB, IHC, ICC/IF, Flow Cytometry applications. This antibody reacts with Human.

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)
Calculated MW	124074
Application Details	WB 1:500-1:1000 IHC 1:50-1:200 ICC/IF 1:50-1:200 FC 1:50
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: ADIO-26
Immunogen	A synthesized peptide derived from human AREB6
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

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 TGFB1, acts as a repressor of COL1A2 transcription via binding to the E-box in the upstream enhancer region (By similarity).

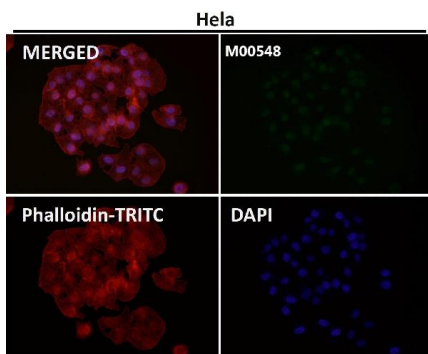
Cellular Location

Nucleus

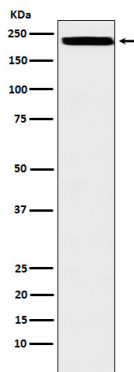
Tissue Location

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

Images



Immunofluorescent analysis using the Antibody at 1:50 dilution.



Western blot analysis of AREB6 expression in HEK293 cell lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.