

Datasheet for ABIN755113
anti-ZEB1/2 antibody (AA 211-320)



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Overview

Quantity:	100 µL
Target:	ZEB1/2
Binding Specificity:	AA 211-320
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ZEB1/2 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), ELISA

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human ZEB1
Isotype:	IgG
Specificity:	Antibody will bind to Zinc finger E-box-binding homeobox 1 & 2
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Dog,Cow,Pig,Chicken,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	ZEB1/2
Alternative Name:	ZEB1/2 (ZEB1/2 Products)

Target Details

Background: Synonyms: AREB 6, AREB6, BZP, Delta crystallin enhancer binding factor 1, DELTA EF1, FECD6, MGC133261, Negative regulator of IL 2, Negative regulator of IL2, NIL 2 A, NIL 2 A zinc finger protein, NIL 2A, NIL-2-A zinc finger protein, NIL2A, Posterior polymorphous corneal dystrophy 3, PPCD3, Represses interleukin 2 expression, TCF 8, TCF-8, TCF8, Transcription factor 8 represses interleukin 2 expression, Transcription factor 8, ZEB 1, ZEB, ZEB1, ZEB1_HUMAN, ZFHEP, ZFHX 1A, ZFHX1A, Zinc finger E box binding homeobox 1, Zinc finger E-box-binding homeobox 1, Zinc finger homeodomain enhancer binding protein, Smad Interacting Protein 1 SIP 1, SIP1 SIP-1, Smad-interacting protein 1, SMADIP 1, SMADIP1, ZEB 2, ZEB2, ZEB2_HUMAN, Zfhx1b, ZFHX1B protein, Zfx1b, Zinc finger E box binding protein 2, Zinc finger E-box-binding homeobox 2, Zinc finger homeobox 1b, zinc finger homeobox protein 1, Zinc finger homeobox protein 1b.

Background: ZEB1 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. ZEB2 is a Transcriptional inhibitor that binds to DNA sequence 5'-CACCT-3' in different promoters. Represses transcription of E-cadherin.

Gene ID: 6935, 9839

UniProt: [P37275](#), [O60315](#)

Application Details

Application Notes: WB 1:300-5000
ELISA 1:500-1000
FCM 1:20-100

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

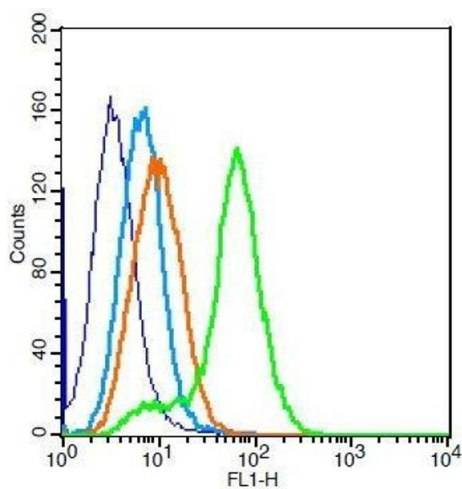
Handling

Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Publications

- Product cited in:
- He, Lu, Hu, Zhang, Qin, Wang, Xing, Xi, Wang: "The Wnt11 Signaling Pathway in Potential Cellular EMT and Osteochondral Differentiation Progression in Nephrolithiasis Formation." in: **International journal of molecular sciences**, Vol. 16, Issue 7, pp. 16313-29, (2016) ([PubMed](#)).
- Xiang, Liu, Chen, Wang, Ma, Wu, Gao: "ZEB1 Expression Is Correlated With Tumor Metastasis and Reduced Prognosis of Breast Carcinoma in Asian Patients." in: **Cancer investigation**, Vol. 33, Issue 6, pp. 225-31, (2015) ([PubMed](#)).
- Sasaki, Kuniyasu, Luo, Kato, Shinya, Fujii, Ohmori, Yamashita: "Significance of epithelial growth factor in the epithelial-mesenchymal transition of human gallbladder cancer cells." in: **Cancer science**, Vol. 103, Issue 6, pp. 1165-71, (2012) ([PubMed](#)).

Images



Flow Cytometry

Image 1. H9C2 cells probed with Rabbit Anti-ZEB Polyclonal Antibody