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Anti-ZEB2 Picoband Antibody

Catalog # ABO11927

Product Information

Application	WB
Primary Accession	O60315
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Zinc finger E-box-binding homeobox 2(ZEB2) detection. Tested with WB in Human.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	9839
Other Names	Zinc finger E-box-binding homeobox 2, Smad-interacting protein 1, SMADIP1, Zinc finger homeobox protein 1b, ZEB2, KIAA0569, SIP1, ZFHX1B, ZFX1B
Calculated MW	136447
Application Details	Western blot, 0.1-0.5 □g/ml, Human
Subcellular Localization	Nucleus .
Source	Eukaryota
Protein Name	Zinc finger E-box-binding homeobox 2
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Immunogen	E.coli-derived human ZEB2 recombinant protein (Position: M1-P200). Human ZEB2 shares 92% amino acid (aa) sequence identity with mouse ZEB2.
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins
Storage	At -20˚C for one year. After r˚Constitution, at 4˚C for one month. It˚Can also be aliquotted and stored frozen at -20˚C for a longer time.Avoid repeated freezing and thawing.
Sequence Similarities	Belongs to the delta-EF1/ZFH-1 C2H2-type zinc-finger family.

Protein Information

Name	ZEB2 (HGNC:14881)
Function	Transcriptional inhibitor that binds to DNA sequence 5'- CACCT-3' in different promoters (PubMed:16061479, PubMed:20516212). Represses transcription of E-cadherin (PubMed:16061479). Represses expression of MEOX2 (PubMed:20516212).
Cellular Location	Nucleus. Chromosome

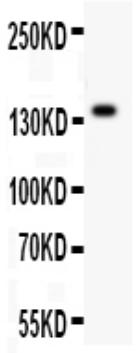
Background

ZEB2(Zinc finger E-box-binding homeobox2), also known as SIP1 or ZINC FINGER HOMEOBOX 1B(ZFHX1B), is a protein that in humans is encoded by the ZEB2 gene. The ZEB2 gene is a member of the ZEB1/Drosophila Zfh1 family of 2-handed zinc finger/homeodomain proteins and functions as a DNA-binding transcriptional repressor that interacts with activated SMADs, the transducers of TGF-beta signaling, and interacts with the nucleosome remodeling and histone deacetylation(NURD) complex. By radiation hybrid analysis, this gene is mapped to 2q22. It has been found that synthesis of ZEB2 was upregulated following SNAI1 expression in human cell lines, and the expression of SNAI1 in epithelial cells can trigger an epithelial-mesenchyme transition.

Images



Anti- ZEB2antibody, ABO11927, Western blottingAll lanes: Anti ZEB2 (ABO11927) at 0.5ug/mlWB: Recombinant Human ZEB2 Protein 0.5ngPredicted bind size: 45KDObserved bind size: 45KD



Anti- ZEB2antibody, ABO11927, Western blottingAll lanes: Anti ZEB2 (ABO11927) at 0.5ug/mlWB: SMMC Whole Cell Lysate at 40ugPredicted bind size: 136KDObserved bind size: 136KD

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