

Anti-ZEB2 Antibody

Catalog # ABO11265

Product Information

Application	WB
Primary Accession	O60315
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Zinc finger E-box-binding homeobox 2(ZEB2) detection. Tested with WB in Human;Mouse;Rat.
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, ZFH1B, ZFX1B
Calculated MW	136447
Application Details	Western blot, 0.1-0.5 µg/ml, Human, Mouse, Rat
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 Thimerosal, 0.05mg NaN3.
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human ZEB2 (948-962aa DMQRRKYQRKQGFQ), identical to the related rat and mouse sequences.
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins
Storage	At -20° C for one year. After reconstitution, 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.

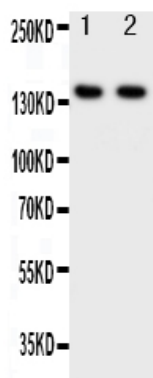
Protein Information

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 HOMEODOMAIN 1B(ZFH1B), 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, Nagase et al.(1998) mapped the ZEB2 gene to chromosome 2. Wakamatsu et al.(2001) mapped the ZEB2 gene to chromosome 2q22. Vandewalle et al.(2005) showed that expression of mouse Sip1 in human epithelial cells caused a morphologic change from an epithelial to a mesenchymal phenotype. Expression of SNAI1 in epithelial cells triggers an epithelial-mesenchyme transition. Beltran et al.(2008) showed that synthesis of ZEB2 was upregulated following SNAI1 expression in human cell lines.

Images



Anti-ZEB2 antibody, ABO11265, Western blotting
Lane 1: 293T Cell Lysate
Lane 2: HELA Cell Lysate

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