

**Anti-ZEB2 Antibody**  
Catalog # ABO11265**Specification**

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**Anti-ZEB2 Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">O60315</a>
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.

**Anti-ZEB2 Antibody - 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 MW KDa

**Application Details**

Western blot, 0.1-0.5 µg/ml, Human, Mouse, Rat<br>

**Subcellular Localization**

Nucleus .

**Protein Name**

Zinc finger E-box-binding homeobox 2

**Contents**

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na<sub>2</sub>HPO<sub>4</sub>, 0.05mg Thimerosal, 0.05mg NaN<sub>3</sub>.

**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 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.

### Anti-ZEB2 Antibody - Protein Information

Name ZEB2 ([HGNC:14881](#))

#### Function

Transcriptional inhibitor that binds to DNA sequence 5'- CACCT-3' in different promoters (PubMed:<a href="http://www.uniprot.org/citations/16061479" target="\_blank">16061479</a>, PubMed:<a href="http://www.uniprot.org/citations/20516212" target="\_blank">20516212</a>). Represses transcription of E-cadherin (PubMed:<a href="http://www.uniprot.org/citations/16061479" target="\_blank">16061479</a>). Represses expression of MEOX2 (PubMed:<a href="http://www.uniprot.org/citations/20516212" target="\_blank">20516212</a>).

#### Cellular Location

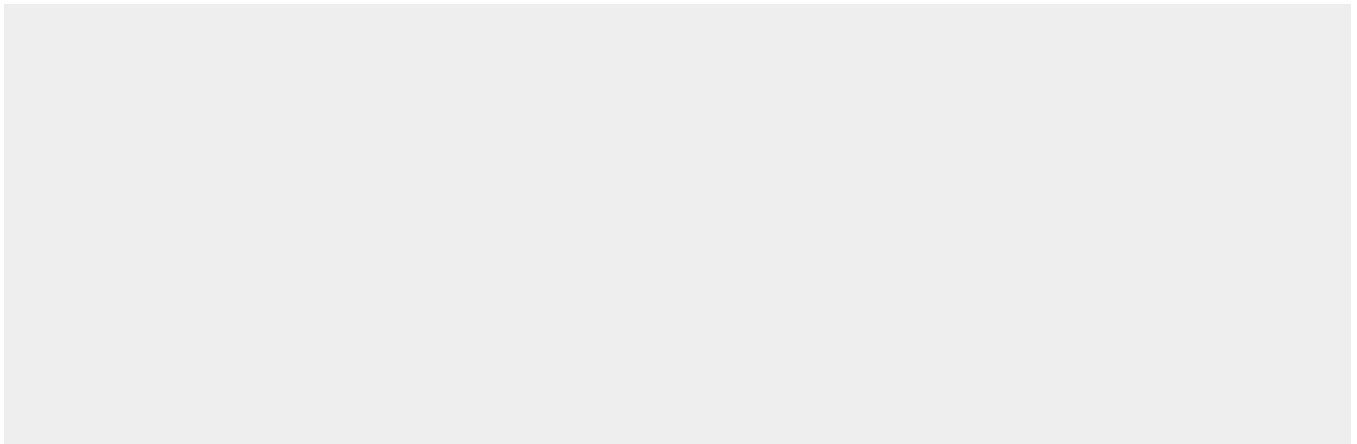
Nucleus. Chromosome

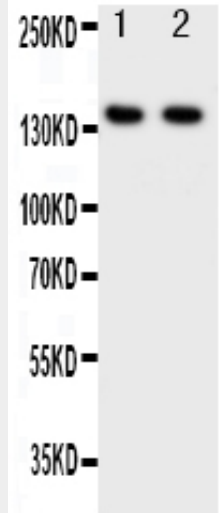
### Anti-ZEB2 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### Anti-ZEB2 Antibody - Images





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

### **Anti-ZEB2 Antibody - Background**

ZEB2 (Zinc finger E-box-binding homeobox 2), also known as SIP1 or ZINC FINGER HOMEBOX 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, 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.