

**Anti-ZEB2 Picoband Antibody**  
**Catalog # ABO11927****Specification**

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**Anti-ZEB2 Picoband Antibody - Product Information**

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

**Anti-ZEB2 Picoband 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, ZFH1B, ZFX1B

**Calculated MW**

136447 MW KDa

**Application Details**

Western blot, 0.1-0.5 µg/ml, Human<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 Na<sub>3</sub>.

**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 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.

### Anti-ZEB2 Picoband Antibody - Protein Information

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

#### Function

Transcriptional inhibitor that binds to DNA sequence 5'-CACCT-3' in different promoters (PubMed: [16061479](http://www.uniprot.org/citations/16061479)), PubMed: [20516212](http://www.uniprot.org/citations/20516212)). Represses transcription of E-cadherin (PubMed: [16061479](http://www.uniprot.org/citations/16061479)). Represses expression of MEOX2 (PubMed: [20516212](http://www.uniprot.org/citations/20516212)).

#### Cellular Location

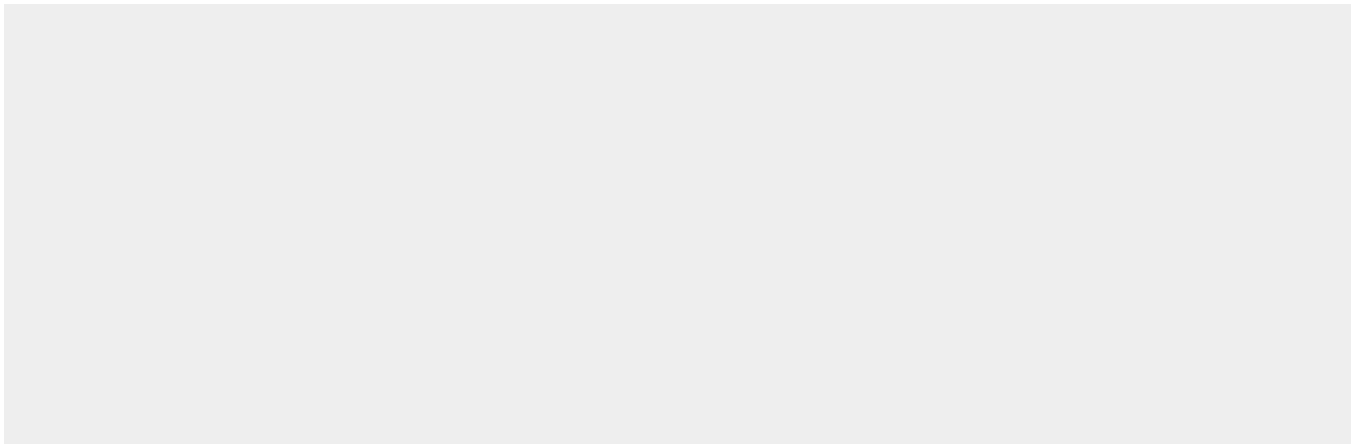
Nucleus. Chromosome

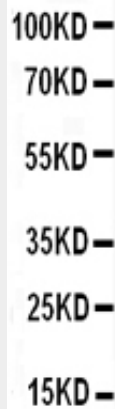
### Anti-ZEB2 Picoband Antibody - Protocols

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

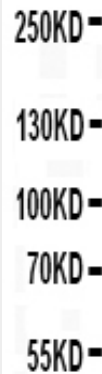
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### Anti-ZEB2 Picoband Antibody - 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

### Anti-ZEB2 Picoband Antibody - Background

ZEB2(Zinc finger E-box-binding homeobox2), also known as SIP1 or ZINC FINGER HOMEBOX 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, 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.