

# Anti-ZEB2 Picoband Antibody

Catalog # ABO11927

## Product Information

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|--------------------------|-------------------------------------------------------------------------------------------------------------------|
| <b>Application</b>       | WB                                                                                                                |
| <b>Primary Accession</b> | <a href="#">O60315</a>                                                                                            |
| <b>Host</b>              | Rabbit                                                                                                            |
| <b>Reactivity</b>        | Human                                                                                                             |
| <b>Clonality</b>         | Polyclonal                                                                                                        |
| <b>Format</b>            | Lyophilized                                                                                                       |
| <b>Description</b>       | 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

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|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene ID</b>                  | 9839                                                                                                                                                                               |
| <b>Other Names</b>              | Zinc finger E-box-binding homeobox 2, Smad-interacting protein 1, SMADIP1, Zinc finger homeobox protein 1b, ZEB2, KIAA0569, SIP1, ZFH1B, ZFX1B                                     |
| <b>Calculated MW</b>            | 136447                                                                                                                                                                             |
| <b>Application Details</b>      | Western blot, 0.1-0.5 µg/ml, Human                                                                                                                                                 |
| <b>Subcellular Localization</b> | Nucleus .                                                                                                                                                                          |
| <b>Source</b>                   | Eukaryota                                                                                                                                                                          |
| <b>Protein Name</b>             | Zinc finger E-box-binding homeobox 2                                                                                                                                               |
| <b>Contents</b>                 | Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.                                                                                                                |
| <b>Immunogen</b>                | E.coli-derived human ZEB2 recombinant protein (Position: M1-P200). Human ZEB2 shares 92% amino acid (aa) sequence identity with mouse ZEB2.                                        |
| <b>Purification</b>             | Immunogen affinity purified.                                                                                                                                                       |
| <b>Cross Reactivity</b>         | No cross reactivity with other proteins                                                                                                                                            |
| <b>Storage</b>                  | 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. |
| <b>Sequence Similarities</b>    | Belongs to the delta-EF1/ZFH-1 C2H2-type zinc-finger family.                                                                                                                       |

## Protein Information

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|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Name              | ZEB2 ( <a href="#">HGNC:14881</a> )                                                                                                                                                                                                                                                                            |
| Function          | Transcriptional inhibitor that binds to DNA sequence 5'- CACCT-3' in different promoters (PubMed: <a href="#">16061479</a> , PubMed: <a href="#">20516212</a> ). Represses transcription of E-cadherin (PubMed: <a href="#">16061479</a> ). Represses expression of MEOX2 (PubMed: <a href="#">20516212</a> ). |
| 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, 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'.