

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

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, ZFH1B, ZFX1B

Calculated MW

136447 MW KDa

Application Details

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

Subcellular Localization

Nucleus .

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.

**Anti-ZEB2 Antibody - Background**

ZEB2(Zinc finger E-box-binding homeobox2), also known as SIP1or 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, 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

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.

human cell lines.

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:[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 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](#)