10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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, ZFHX1B, 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.

Immunogen
A synthetic peptide corresponding to a sequence at the C-terminus of human ZEB2 (948-962aa DMQQRRKYQRKQGFQ), 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:16061479, PubMed:20516212). Represses transcription of E-cadherin (PubMed:16061479). Represses expression of MEOX2 (PubMed:20516212).

Cellular Location
Nucleus. Chromosome

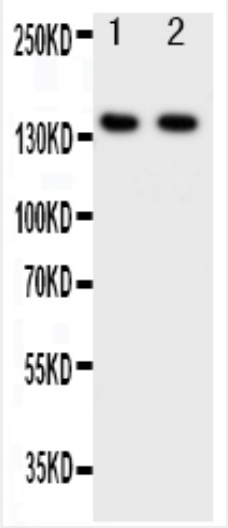
Anti-ZEB2 Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-ZEB2 Antibody - Images

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999



Anti-ZEB2 antibody, ABO11265, Western blottingLane 1: 293T Cell LysateLane 2: HELA Cell Lysate

Anti-ZEB2 Antibody - Background

ZEB2(Zinc finger E-box-binding homeobox2), also known as SIP1or ZINC FINGER HOMEOBOX 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.