

Basic Information

Product Name	Anti-ZEB2 Antibody	
Gene Name	ZEB2	
Source	Rabbit	
Clonality	Polyclonal	
Isotype	IgG	
Species Reactivity	human, mouse, rat	
Tested Application	WB, IHC	
Contents	500 ug/ml antibody with PBS, 0.02% NaN ₃ , 1 mg/ml BSA and 50% glycerol.	
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human ZEB2, identical to the related rat and mouse sequences.	
Concentration	500 ug/ml	
Purification	Immunogen affinity purified.	
Observed MW	180-200 kDa	
Dilution Ratios	Western blot (WB): Immunohistochemistry (IHC): (Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.	1:500-2000 1:50-400

Storage

12 months from date of receipt, -20°C as supplied.

Background Information

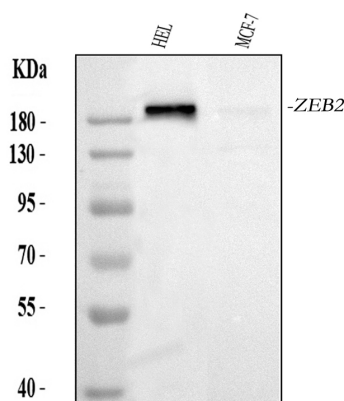
ZEB2(Zinc finger E-box-binding homeobox2), also known as SIP1or ZINC FINGER HOMEBOX 1B(ZFH1B), is a protein that in humans is encoded by the ZEB2 gene. The ZEB2 gene is a member of the ZEB1/Drosophila Zfh1 family of 2-handed zinc finger/homeodomain proteins and functions as a DNA-binding transcriptional 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 human cell lines.

Reference

Anti-ZEB2 Antibody被引用在4文献中。

Selected Validation Data



Western blot analysis of ZEB2 using anti-ZEB2 antibody (BA2872-2). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

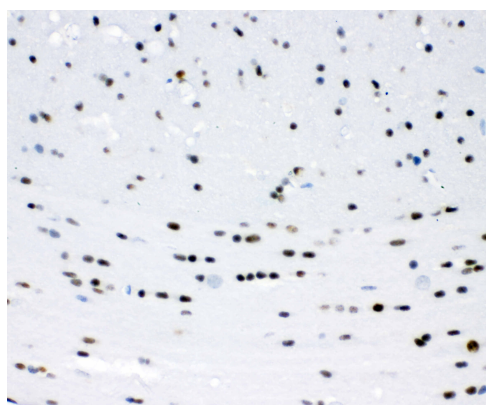
Lane 1: human HEL whole cell lysates,

Lane 2: human MCF-7 whole cell lysates.

After electrophoresis, proteins were transferred to a membrane.

Then the membrane was incubated with rabbit anti-ZEB2 antigen affinity purified polyclonal antibody (BA2872-2) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054).

The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for ZEB2 at approximately 180 kDa. The expected band size for ZEB2 is at 136 kDa.



IHC analysis of ZEB2 using anti-ZEB2 antibody (BA2872-2).

ZEB2 was detected in a paraffin-embedded section of mouse brain tissue. Biotinylated goat anti-rabbit IgG was used as secondary antibody. The tissue section was incubated with rabbit anti-ZEB2 Antibody (BA2872-2) at a dilution of 1:200 and developed using Streptavidin-Biotin-Complex (SABC) (Catalog # SA1022) with DAB (Catalog # AR1027) as the chromogen.