Product datasheet

Anti-ZEB1 Antibody

Catalog Number: *A00548-2*

BOSTER
antibody and ELISA experts
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Basic Information

Product Name	Anti-ZEB1 Antibody
Gene Name	ZEB1
Source	Rabbit
Isotype	IgG
Species Reactivity	human
Tested Application	WB, IHC, ICC/IF, FCM
Contents	500 ug/ml antibody with PBS， 0.02% NaN3 , 1 mg BSA and 50% glycerol.
Immunogen	A synthetic peptide corresponding to a sequence of human ZEB1 (LLKAYYALNAQPSAEELSKIADSVNLPLDVVKKWFEKMQ).
concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	200KD
Dilution Ratios	Western blot(WB): 1:500-2000 Immunohistochemistry in paraffin section (IHC): 1:50-400 Immunocytochemistry in fixed cells: 1:50-400 Flow cytometry (FCM): 1-3 μg/1x10^6 cells (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.

Storage

12 months from date of receipt，-20℃ as supplied. 6 months 2 to 8℃ after reconstitution. Avoid repeated freezing and thawing.

Background Information

ZEB1 (Zinc Finger E Box-Binding Homeobox 1), also called TCF8, NIL2A or DELTA-EF1, is a protein that in humans is encoded by the ZEB1 gene. Fluorescence in situ hybridization localized the ZEB1 gene to chromosome 10p11.2. Krafchak et al. (2005) demonstrated a complex (core plus secondary) binding site for TCF8 in the promoter of the COL4A3 gene, mutant in Alport syndrome and which encodes collagen type IV alpha-3. They detected expression of TCF8 in cornea. Nishimura et al. (2006) found that delta-Ef1 was upregulated during differentiation in a mouse smooth muscle cell (SMC) line.

Reference

Anti-ZEB1 Antibody被引用在1文献中。

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Selected Validation Data

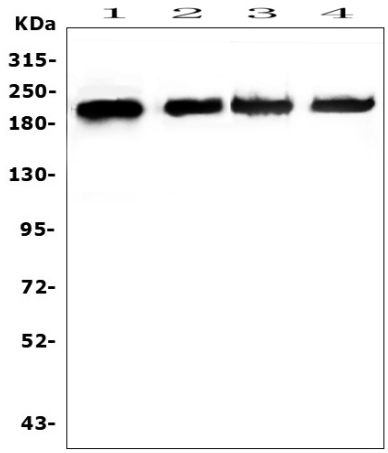

Figure 1. Western blot analysis of anti-ZEB1 antibody (A00548-2).. The sample well of each lane was loaded with 50ug of sample under reducing conditions.Lane 1: human SGC-7901 whole cell lysates,Lane 2: human U-87MG whole cell lysates,Lane 3: human HEK293 whole cell lysates,Lane 4: human PC-3 whole cell lysates.Use rabbit anti- ZEB1 1:1000, probed with a goat anti-rabbit IgG-HRP secondary antibody. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002). A specific band was detected for ZEB1 at approximately 200KD. The expected band size for ZEB1 is at 124KD.

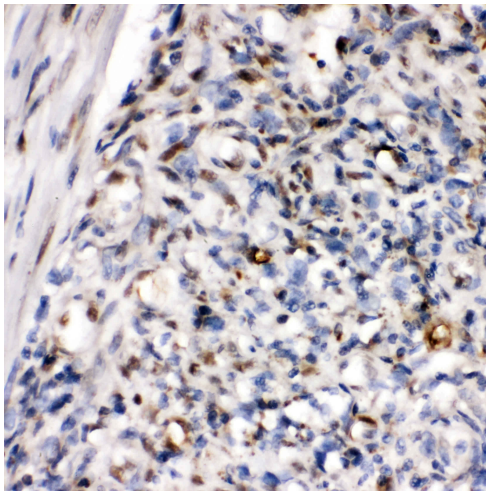

Figure 2.IHC analysis using anti- ZEB1 antibody (A00548-2). detected in paraffin-embedded section of human melanoma tissue. Biotinylated goat anti-rabbit IgG was used as secondary antibody. The tissue section was developed using Strepavidin-Biotin-Complex (SABC) (Catalog # SA1022) with DAB as the chromogen.

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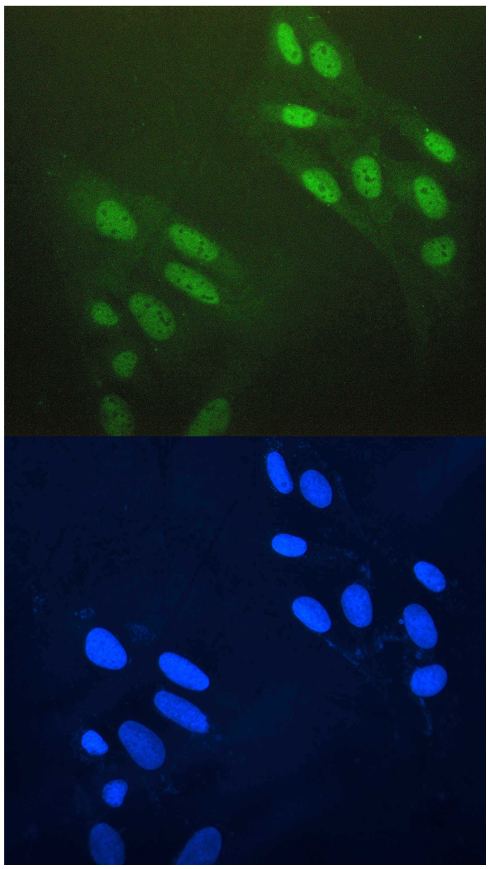

Figure 4.ICC analysis using anti-ZEB1 antibody (A00548-2) was detected in immersion fixed U2OS cell line . Cells were stained using the Dylight488-conjugated Anti-rabbit IgG Secondary Antibody (green)(Catalog#BA1127) and counterstained with DAPI (blue).

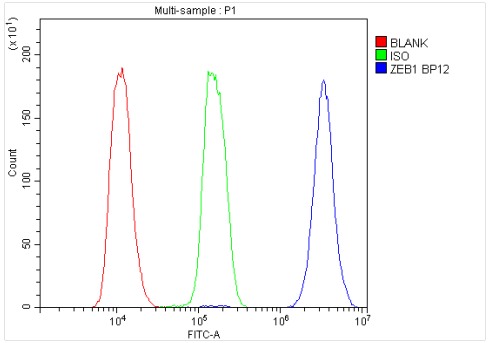

Figure 5.Flow cytometry analysis of U2OS cell(1x106) DyLight 488 conjugated goat anti-rabbit IgG(blue) was used as secondary antibody.Isotype control antibody (Green line) was rabbit IgG DyLight 488. Unlabelled sample (Red line).