

# Product Datasheet

## ZEB1 Antibody (2A8A6) - BSA Free NBP2-23484

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP2-23484**

ZEB1 Antibody (2A8A6) - BSA Free

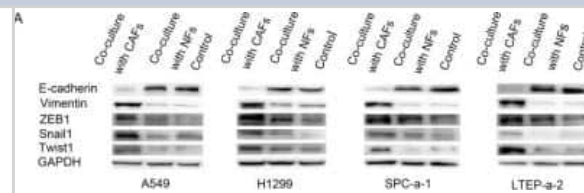
<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	1.0 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	2A8A6
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG1
<b>Purity</b>	Protein A or G purified
<b>Buffer</b>	PBS
<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Mouse ZEB1 Antibody (2A8A6) - BSA Free (NBP2-23484) is a monoclonal antibody validated for use in IHC, WB, Flow and ICC/IF. Anti-ZEB1 Antibody: Cited in 6 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Mouse
<b>Gene ID</b>	6935
<b>Gene Symbol</b>	ZEB1
<b>Species</b>	Human, Mouse, Rat
<b>Reactivity Notes</b>	Mouse reactivity reported in scientific literature (PMID: 31331982).
<b>Marker</b>	Mesenchymal Cells Marker
<b>Immunogen</b>	Partial recombinant human ZEB1 (between residues 800-1124) expressed in E. coli [Uniprot P37275]
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 1: 500 - 1:2000. Use reported by customer review and in scientific literature (PMID 29383119), Flow Cytometry 1:200 - 1:400, Immunohistochemistry 1:200 - 1:1000, Immunocytochemistry/ Immunofluorescence 1:100, Immunohistochemistry-Paraffin 1:200 - 1:1000
<b>Application Notes</b>	This antibody has had weak results in Western blot.



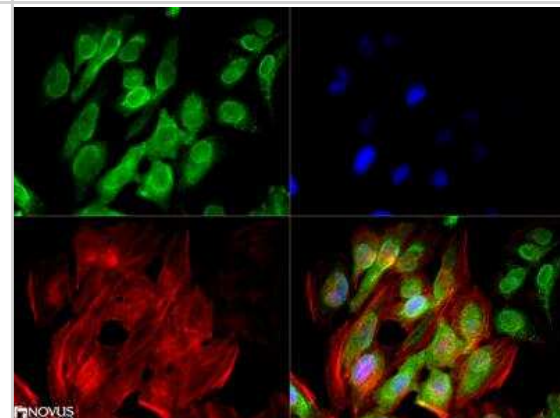
## Images

Western Blot: ZEB1 Antibody (2A8A6) [NBP2-23484] - CAFs induced miR-33b downregulation and promoted the EMT phenotype in lung cancer cells. The protein expression levels of E-cadherin, Vimentin, ZEB1, Twist1 and Snail1 in the lung cancer cells co-cultured with CAFs were detected by immunoblotting, using GAPDH protein as the loading control. Image collected and cropped by CiteAb from the following publication

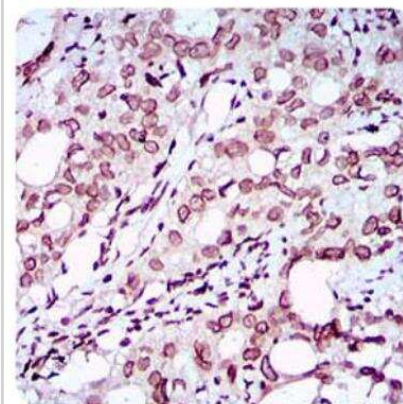
(<https://www.oncotarget.com/lookup/doi/10.18632/oncotarget.23082>), licensed under a CC-BY license.



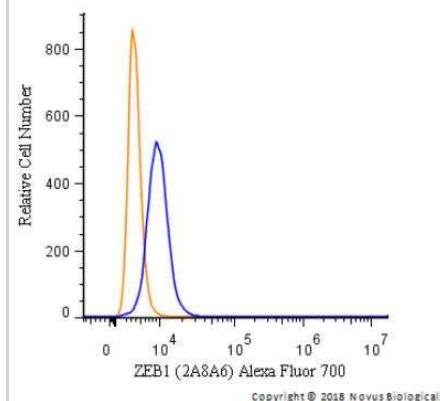
Immunocytochemistry/Immunofluorescence: ZEB1 Antibody (2A8A6) [NBP2-23484] - ZEB1 antibody was tested in HeLa cells with DyLight 488 (green). Nuclei and alpha-tubulin were counterstained with DAPI (blue) and DyLight 550 (red).



Immunohistochemistry: ZEB1 Antibody (2A8A6) [NBP2-23484] - IHC analysis of paraffin-embedded human cervical cancer tissues with DAB staining.



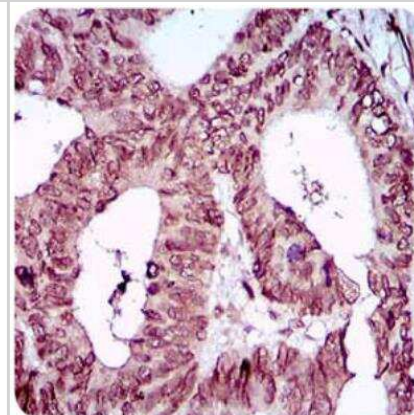
Flow Cytometry: ZEB1 Antibody (2A8A6) [NBP2-23484] - An intracellular stain was performed on U-87 cells with ZEB1 [2A8A6] Antibody NBP2-23484AF700 (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 5 ug/mL for 30 minutes at room temperature. Both antibodies were conjugated to Alexa Fluor 700.



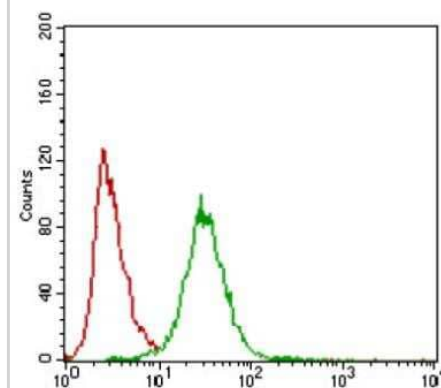
Western Blot: ZEB1 Antibody (2A8A6) [NBP2-23484] - ZEB1 expression was assayed in lung adenocarcinoma cells after transfection with miR-33b or miR-NC, anti-miR-33b or anti-miR-NC in H1299 and A549 cells. Image submitted by verified customer review.



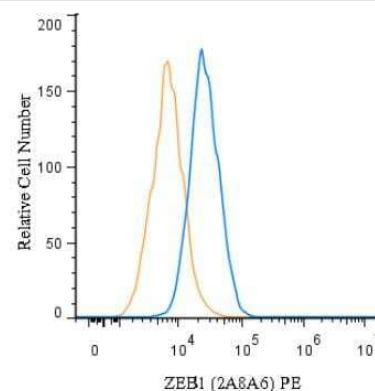
Immunohistochemistry: ZEB1 Antibody (2A8A6) [NBP2-23484] - IHC analysis of paraffin-embedded human rectum cancer tissues with DAB staining.



Flow Cytometry: ZEB1 Antibody (2A8A6) [NBP2-23484] - Flow cytometric analysis of Hela cells using ZEB1 mouse mAb (green) and negative control (red).

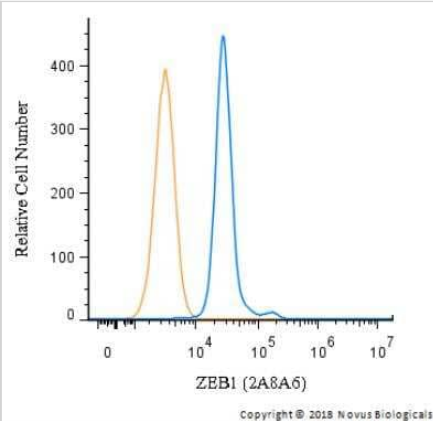


Flow Cytometry: ZEB1 Antibody (2A8A6) [NBP2-23484] - An intracellular stain was performed on with A549 cells with ZEB1 Antibody NBP2-23484PE and a a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 5 ug/mL for 30 minutes at room temperature. Both antibodies were conjugated to phycoerythrin.



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Flow Cytometry: ZEB1 Antibody (2A8A6) [NBP2-23484] - An intracellular stain was performed on Jurkat with ZEB1 Antibody (2A8A6) NBP2-23484 and a matched isotype control. Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 1 ug/mL for 30 minutes at room temperature, followed by Mouse F(ab)2 IgG (H+L) PE-conjugated Antibody (R&D Systems, F0102B)



## Publications

Kumar P, Zehra A, Saini M, Mathew SJ Zeb1 and Tle3 are trans-factors that differentially regulate the expression of myosin heavy chain-embryonic and skeletal muscle differentiation FASEB journal : official publication of the Federation of American Societies for Experimental Biology 2023-08-01 [PMID: 37392376]

Radnaa E, Richardson L, Goldman B Et al. Stress signaler p38 mitogen-activated kinase activation: a cause for concern? Clin Sci (Lond) 2022-10-17 [PMID: 36250628] (CyTOF-ready, Human)

### Details:

Citation using the Azide and BSA Free version of this antibody.

Matsumura Y, Ito Y, Mezawa Y et al. Stromal fibroblasts induce metastatic tumor cell clusters via epithelial-mesenchymal plasticity Life Sci Alliance 2019-08-01 [PMID: 31331982] (FLOW, Mouse)

Duijkers FA, McDonald A, Janssens GE et al. Snail1-dependent cancer-associated fibroblasts induce epithelial-mesenchymal transition in lung cancer cells via exosomes QJM 2019-04-27 [PMID: 31106370]

Qu J, Li M, An J et al. MicroRNA-33b inhibits lung adenocarcinoma cell growth, invasion, and epithelial-mesenchymal transition by suppressing Wnt/b-catenin/ZEB1 signaling. Int J Oncol. 2015-09-28 [PMID: 26459797] (WB, Human)

You J, Li M, Tan Y et al. Snail1-expressing cancer-associated fibroblasts induce lung cancer cell epithelial-mesenchymal transition through miR-33b Oncotarget 2017-12-29 [PMID: 29383119] (WB, Human)



### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

www.novusbio.com  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Products Related to NBP2-23484**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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