

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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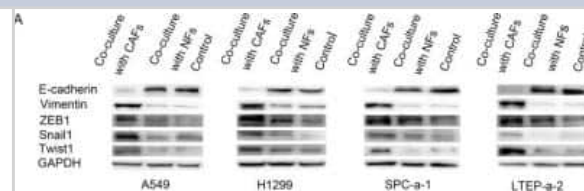
NBP2-23484

ZEB1 Antibody (2A8A6) - BSA Free

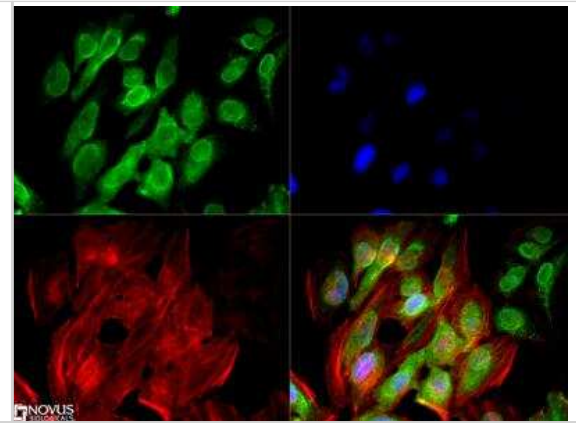
Product Information	
Unit Size	0.1 ml
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	2A8A6
Preservative	0.02% Sodium Azide
Isotype	IgG1
Purity	Protein A or G purified
Buffer	PBS
Product Description	
Host	Mouse
Gene ID	6935
Gene Symbol	ZEB1
Species	Human, Mouse, Rat
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 31331982).
Marker	Mesenchymal Cells Marker
Immunogen	Partial recombinant human ZEB1 (between residues 800-1124) expressed in E. coli [Uniprot P37275]
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	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
Application Notes	This antibody has had weak results in Western blot.

Images

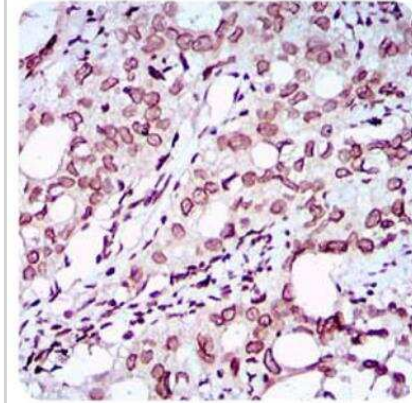
Western Blot: ZEB1 Antibody (2A8A6) [NBP2-23484] - CAFs induced miR-33b downregulation and promoted the EMT phenotype in lung cancer cells. The protein expression levels of E-cadherin, Vimentin, ZEB1, Twist1 and Snail1 in the lung cancer cells co-cultured with CAFs were detected by immunoblotting, using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



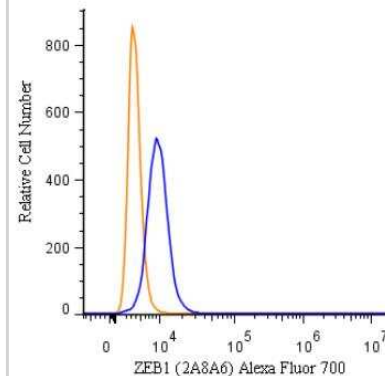
Immunocytochemistry/Immunofluorescence: ZEB1 Antibody (2A8A6) [NBP2-23484] - ZEB1 antibody was tested in HeLa cells with DyLight 488 (green). Nuclei and alpha-tubulin were counterstained with DAPI (blue) and DyLight 550 (red).



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



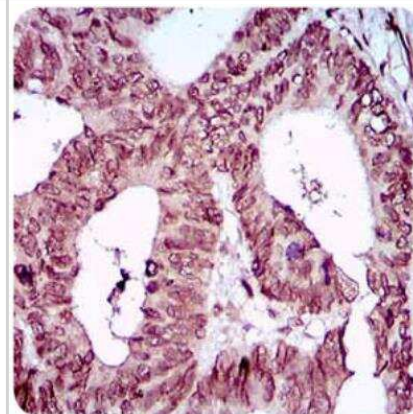
Flow Cytometry: ZEB1 Antibody (2A8A6) [NBP2-23484] - An intracellular stain was performed on U-87 cells with ZEB1 [2A8A6] Antibody NBP2-23484AF700 (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody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



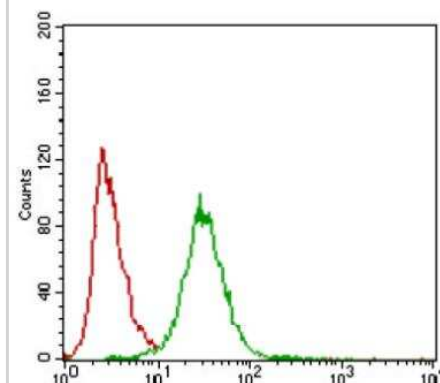
Western Blot: ZEB1 Antibody (2A8A6) [NBP2-23484] - ZEB1 expression was assayed in lung adenocarcinoma cells after transfection with miR-33b or miR-NC, anti-miR-33b or anti-miR-NC in H1299 and A549 cells. Image submitted by verified customer review.



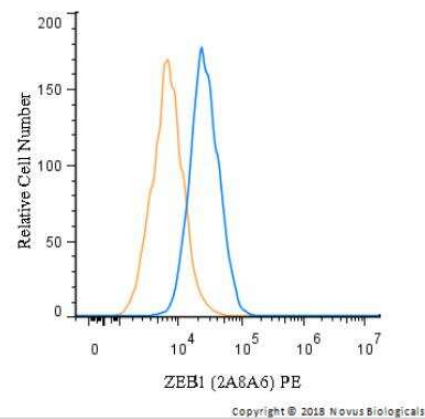
Immunohistochemistry: ZEB1 Antibody (2A8A6) [NBP2-23484] - IHC analysis of paraffin-embedded human rectum cancer tissues with DAB staining.



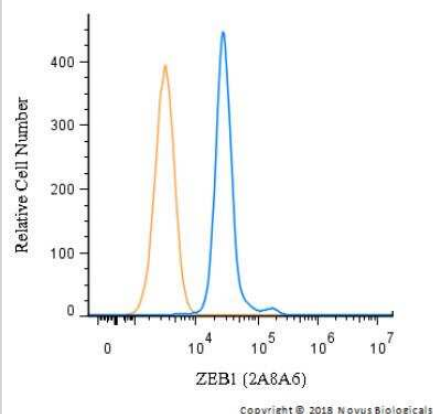
Flow Cytometry: ZEB1 Antibody (2A8A6) [NBP2-23484] - Flow cytometric analysis of Hela cells using ZEB1 mouse mAb (green) and negative control (red).



Flow Cytometry: ZEB1 Antibody (2A8A6) [NBP2-23484] - An intracellular stain was performed on with A549 cells with ZEB1 Antibody NBP2-23484PE and a 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.



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)





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Products Related to NBP2-23484

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NBP2-23484PE	ZEB1 Antibody (2A8A6) [PE]

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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