Product Datasheet

ZEB1 Antibody
NBP1-05987

Unit Size: 0.1 ml

Store at 4C. Do not freeze.

Reviews: 6  Publications: 73

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Updated 12/10/2020 v.20.1
**ZEB1 Antibody**

**Product Information**

- **Unit Size**: 0.1 ml
- **Concentration**: 0.2 mg/ml
- **Storage**: Store at 4°C. Do not freeze.
- **Clonality**: Polyclonal
- **Preservative**: 0.09% Sodium Azide
- **Isotype**: IgG
- **Purity**: Immunogen affinity purified
- **Buffer**: TBS and 0.1% BSA

**Product Description**

- **Host**: Rabbit
- **Gene ID**: 6935
- **Gene Symbol**: ZEB1
- **Species**: Human, Mouse, Rat
- **Reactivity Notes**: Rat reactivity reported in scientific literature (PMID: 28783105).
- **Marker**: Mesenchymal Cells Marker

**Immunogen**
The immunogen recognized by this antibody maps to a region between residue 1074 and 1124 of human zinc finger E-box binding homeobox 1 using the numbering given in entry NP_110378.3

**Product Application Details**

**Applications**

- Western Blot, Simple Western, Gel Super Shift Assays, Immunocytochemistry/Immunochemistry, Immunolabeling, Immunohistochemistry-Paraffin, Immunoprecipitation, Microarray, Chromatin Immunoprecipitation (ChIP), Knockdown Validated, Single Cell Western

**Recommended Dilutions**

- Western Blot 1:2000-1:10000, Simple Western 1:50, Immunocytochemistry/Immunochemistry 1:200-1:1000, Immunolabeling/Immunochemistry 1:50-1:500, Immunoprecipitation 2-5 ug/mg lysate, Immunohistochemistry-Paraffin 1:200-1:1000, Gel Super Shift Assays 1:1-1:100, Microarray, Chromatin Immunoprecipitation (ChIP), Single Cell Western 100 ug/ml, Knockdown Validated

**Application Notes**

Customers have also reported success in IHC on paraffin tissues, following antigen retrieval with citrate buffer. Gel Super Shift Assays (PMID: 21771782). In Simple Western only 10 - 15 uL of the recommended dilution is used per data point. Separated by Size-Wes, Sally Sue/Peggy Sue. ICC/IF reactivity reported in scientific literature (PMID: 24334458). Use in microarray reported in scientific literature (PMID: 28955722). Use in chromatin immunoprecipitation reported in scientific literature (PMID: 29744893). ZEB1 antibody validated for IHC-P, WB, IHC from verified customer reviews. Knockdown validation (PMID: 31776338).
Immunohistochemistry: ZEB1 Antibody [NBP1-05987] - Immunohistochemical staining results of EMT regulators in HG-PanIN: SNAIL, SLUG, TWIST1, and ZEB1. We categorized and defined three grades: grade 0, <10% positive staining; grade 1, 10%-50% positive; grade 2, 50%< positive. Image collected and cropped by CiteAb from the following publication ([https://onlinelibrary.wiley.com/doi/abs/10.1002/cam4.2016](https://onlinelibrary.wiley.com/doi/abs/10.1002/cam4.2016)) licensed under a CC-BY licence.

Western Blot: ZEB1 Antibody [NBP1-05987] - Samples: Whole cell lysate (15 ug) from HeLa, HEK293T, Jurkat, mouse TCMK-1, and mouse NIH 3T3 cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-ZEB1 antibody (NBP1-05987) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.

Immunohistochemistry-Paraffin: ZEB1 Antibody [NBP1-05987] - Sample: FFPE section of human breast carcinoma. Antibody: Affinity purified rabbit anti-ZEB1 (NBP1-05987) used at a dilution of 1:1000 (0.2 ug/ml). Detection: DAB.

Western Blot: ZEB1 Antibody [NBP1-05987] - Analysis of ZEB1 in transfected and native mouse cell lysate. Image courtesy of anonymous customer review.
Immunohistochemistry-Paraffin: ZEB1 Antibody [NBP1-05987] - Analysis of ZEB1 in human liver and spleen tissues. Image courtesy of anonymous customer review.

Immunohistochemistry-Paraffin: ZEB1 Antibody [NBP1-05987] - Sample: FFPE section of human breast carcinoma. Antibody: Affinity purified rabbit anti-ZEB1 (NBP1-05987) used at a dilution of 1:1000 (0.2 ug/ml). Detection: DAB.

Immunoprecipitation: ZEB1 Antibody [NBP1-05987] - Detection of human ZEB1 by western blot of immunoprecipitates. Samples: Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from HeLa cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-ZEB1 antibody NBP1-05987 used for IP at 3 ug per reaction. ZEB1 was also immunoprecipitated by another rabbit anti-ZEB1 antibody. For blotting immunoprecipitated ZEB1, NBP1-05987 was used at 0.4 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.
<table>
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<tr>
<th>Publications</th>
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<tbody>
<tr>
<td>Camacho S Defining the Factors that Regulate the Conversion to a Trailblazer Epithelial to Mesenchymal Transition State Thesis Jul 13 1905 12:00AM</td>
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<tr>
<td>Lu J, Cao LL, Xu Y et al. FOXC1 modulates stem-like cell properties and chemoresistance through Hedgehog and EMT signaling in gastric adenocarcinoma Molecular therapy : the journal of the American Society of Gene Therapy Sep 14 2021 12:00AM [PMID: 34534693]</td>
</tr>
<tr>
<td>Wojnarowicz PM, Escolano MG, Huang YH et al. Anti-tumor effects of an ID antagonist with no observed acquired resistance NPJ breast cancer May 24 2021 12:00AM [PMID: 34031428] (WB, Human)</td>
</tr>
<tr>
<td>Chen YY, Jiang KS, Bai XH et al. ZEB1 Induces Ddr1 Promoter Hypermethylation and Contributes to the Chronic Pain in Spinal Cord in Rats Following Oxaliplatin Treatment Neurochemical research May 25 2021 12:00AM [PMID: 34032956] (IHC, Rat)</td>
</tr>
<tr>
<td>Carstens JL, Yang S, Correa de Sampaio P et al. Stabilized epithelial phenotype of cancer cells in primary tumors leads to increased colonization of liver metastasis in pancreatic cancer Cell reports Apr 13 2021 12:00AM [PMID: 33852841]</td>
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<tr>
<td>Li J, Luco AL, Camirand A et al. Vitamin D regulates CXCL12/CXCR4 and epithelial-to-mesenchymal transition in a model of breast cancer metastasis to lung Endocrinology Mar 9 2021 12:00AM [PMID: 33693593] (ICC/IF, Mouse)</td>
</tr>
<tr>
<td>SAnz-de-Santa-Maria I, Celada L, San Jose Martinez A et al. Blockage of Squamous Cancer Cell Collective Invasion by FAK Inhibition Is Released by CAFs and MMP-2 Cancers Dec 10 2020 12:00AM [PMID: 33321813] (WB, Human)</td>
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<tr>
<td>Neufert C, Heichler C, Brabletz T et al. Inducible mouse models of colon cancer for the analysis of sporadic and inflammation-driven tumor progression and lymph node metastasis Nature protocols Dec 14 2020 12:00AM [PMID: 33318692]</td>
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More publications at [http://www.novusbio.com/NBP1-05987](http://www.novusbio.com/NBP1-05987)
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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