

Product Datasheet

Snail Antibody - BSA Free NBP2-27293

Unit Size: 0.1 mg

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

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Updated 2/17/2025 v.20.1

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NBP2-27293

Snail Antibody - BSA Free

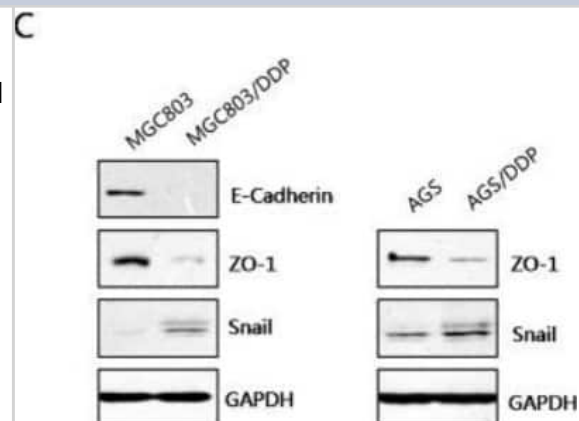
Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS

Product Description	
Host	Rabbit
Gene ID	6615
Gene Symbol	SNAI1
Species	Human, Mouse
Reactivity Notes	The amino acid sequence used as immunogen is 61% homologous with human SNAI2 protein.
Immunogen	A portion of amino acids 1-60 of human SNAI1 was used as the immunogen.

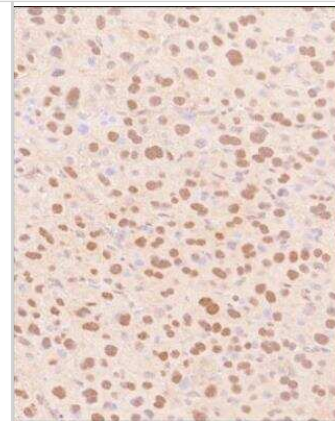
Product Application Details	
Applications	Western Blot, Simple Western, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1 - 2 ug/ml. Use reported in scientific literature (PMID 28260923), Simple Western 1:500, Immunohistochemistry 1:200. Use reported in scientific literature (PMID 30488343), Immunohistochemistry-Paraffin 1:200
Application Notes	In Simple Western only 10 - 15 uL of the recommended dilution is used per data point. See Simple Western Antibody Database for Simple Western validation: Tested in 12Z, Ovaries; separated by Size; antibody dilution of 1:25

Images

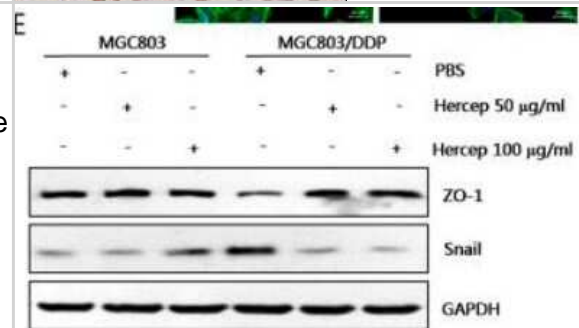
Western Blot: Snail Antibody [NBP2-27293] - Cisplatin-resistant gastric cancer cells exhibit an EMT-like phenotypic change. Epithelial marker E-cadherin, ZO1 and EMT-related transcription factor Snail were examined by Western blot. Image collected and cropped by CiteAb from the following publication (<https://www.nature.com/articles/srep20502>), licensed under a CC-BY license.



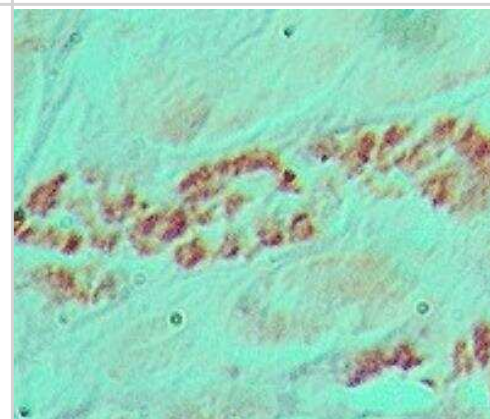
Immunohistochemistry-Paraffin: Snail Antibody [NBP2-27293] - Analysis of a FFPE tissue section of mouse placenta using 1:200 dilution of SNAIL antibody. The staining was developed using HRP labeled anti-rabbit secondary antibody and DAB reagent, and nuclei of cells were counter-stained with hematoxylin.



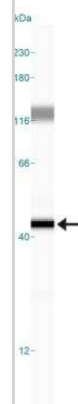
Western Blot: Snail Antibody [NBP2-27293] - HER2 is overexpressed and both Herceptin incubation and siRNAs against HER2 reversed the EMT in cisplatin-resistant gastric cancer cells. Effects of Herceptin on levels of ZO1 and Snail. Image collected and cropped by CiteAb from the following publication (<https://www.nature.com/articles/srep20502>), licensed under a CC-BY license.



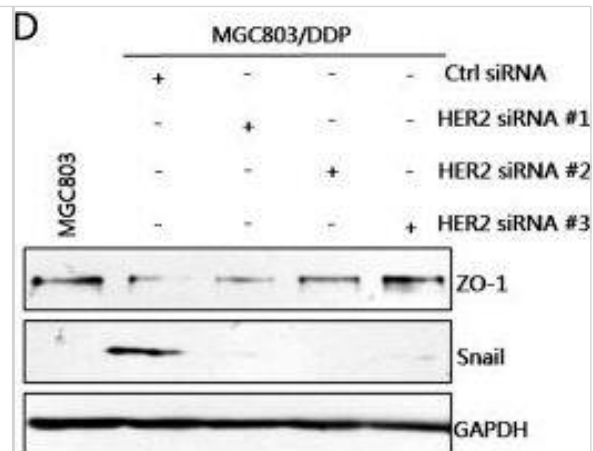
Immunohistochemistry-Paraffin: Snail Antibody [NBP2-27293] - Analysis of in FFPE human kidney tissue using this antibody at 5 µg/mL.



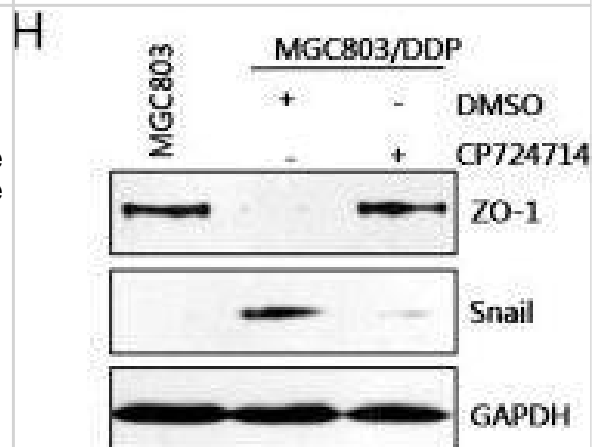
Simple Western: Snail Antibody [NBP2-27293] - Image shows a specific band for SNAIL in 0.5 mg/mL of MCF-7 lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system.



Western Blot: Snail Antibody - BSA Free [NBP2-27293] - siRNAs against HER2 could abrogate the EMT phenotype & cell invasiveness in cisplatin-resistant gastric cancer cells. (A) Validation of silencing efficiency of HER2. Cells were transiently transfected with 50 nM HER2-specific siRNAs #1-#3 or a control siRNA for 48 h. (B) Knock-down of HER2 abrogated EMT morphology. Cells were transiently transfected with 50 nM specific siRNAs targeting HER2 for 48 h, Representative images of cellular morphology were shown. (C) Knock-down of HER2 abolished EMT phenotype. Cells were treated as in Fig. 4B. FITC-phalloidin staining of F-actin were performed & representative images were shown. (D) Effects of HER2 knock-down on the levels of ZO1 & Snail. (E) Effects of HER2 knock-down on cell migration. Representative images of transwell cell migration assay were shown. (F) Summary of Fig. 4E. Values represented the mean \pm SD from three independent experiments with triplicate samples. *P < 0.01. Image collected & cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/26846307>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Western Blot: Snail Antibody - BSA Free [NBP2-27293] - HER2 is overexpressed & both Herceptin incubation & siRNAs against HER2 reversed the EMT in cisplatin-resistant gastric cancer cells. (A) Western blot of HER2 in MGC803/DDP & AGS/DDP cell lines, & parental MGC803 & AGS cells. GAPDH was used as loading control. (B) Relative amplification of HER2 in parental & cisplatin-resistant cells. Results were presented as the mean \pm SD of two independent experiments, *P < 0.05 compared with parental cells. (C) Herceptin incubation abrogated EMT morphology in MGC803/DDP cells. Representative images of cellular morphology of MGC803/DDP cells, plus parental MGC803 cells treated with Herceptin for 24 h were shown. Hercep represents Herceptin. (D) Herceptin incubation reversed EMT morphology in MGC803/DDP cells. Representative images of FITC-phalloidin staining of F-actin after 100 μ g/ml Herceptin treatment for 24 h were shown. (E) Effects of Herceptin on levels of ZO1 & Snail. (F) CP724714 treatment abolished EMT-like cell morphology. Cells were incubated with 10 μ M CP724714 for 24 h. Representative images of cellular morphology of were captured. (G) CP724714 treatment abrogated EMT-like cell morphology. Cells were treated as in Fig. 4F, FITC-phalloidin staining of F-actin was performed & typical images were shown. (H) Effects of CP724714 on ZO1 & Snail. (I) CP724714 inhibited the increased cell migration in cisplatin-resistant gastric cancer cells. Representative images were presented here. (J) CP724714 inhibited the increased cell migration in cisplatin-resistant gastric cancer cells. Values represented the mean \pm SD from three independent experiments with triplicate samples. *P < 0.01. Image collected & cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/26846307>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

PL Hsu, CW Chien, YA Tang, BW Lin, SC Lin, YS Lin, SY Chen, HS Sun, SJ Tsai Targeting BRD3 eradicates nuclear TYRO3-induced colorectal cancer metastasis *Science Advances*, 2023-04-12;9(15):eade3422. 2023-04-12 [PMID: 37043564]

Abrahamsson A, Boroojeni FR, Naeimipour S et Al. Increased matrix stiffness enhances pro-tumorigenic traits in a physiologically relevant breast tissue- monocyte 3D model *Acta Biomater* 2024-02-20 [PMID: 38382828]

Linling Ju, Qian Zhou, Qianyi Qi, Yongjun She, Weihua Cai, Yali Cao, Rujian Lu, Jianguo Shao, Lin Chen circSLCO1B7 suppresses the malignant progression of hepatocellular carcinoma via the miR-556-3p/DAB2IP axis *Aging (Albany NY)* 2023-11-30 [PMID: 38015711]

Piero Campolmi, Lavinia Quintarelli, Irene Fusco, Lara Ronconi, Tiziano Zingoni Clinical evidence of 595 nm pulse dye laser treatment for viral warts on hands and feet. *Skin research and technology : official journal of International Society for Bioengineering and the Skin (ISBS) [and] International Society for Digital Imaging of Skin (ISDIS) [and] International Society for Skin Imaging (ISSI)* 2023-09-28 [PMID: 37753676]

Abrahamsson A, Rasti Boroojeni F, Naeimipour S et al. Matrix Stiffness Enhances Pro-Tumorigenic Traits of ER-Positive but not ER-Negative Breast Cancer in a Physiologically Relevant 3D Model *SSRN* 2023-08-17 (ICC/IF, Human)

Zhu X, Lu J, Rao J et al. Cross Talk between ST2 and Transforming Growth Factor- β Receptor Signaling Promotes Renal Fibrosis *The American journal of pathology* 2023-05-24 [PMID: 37236504]

Bychkov, ML;Kirichenko, AV;Mikhaylova, IN;Paramonov, AS;Yastremsky, EV;Kirpichnikov, MP;Shulepko, MA;Lyukmanova, EN; Extracellular Vesicles Derived from Acidified Metastatic Melanoma Cells Stimulate Growth, Migration, and Stemness of Normal Keratinocytes *Biomedicines* [PMID: 35327461] (WB, Human)

Jin JQ, Han JS, Ha J Et al. Lobeglitazone, A Peroxisome Proliferator-Activated Receptor-Gamma Agonist, Inhibits Papillary Thyroid Cancer Cell Migration and Invasion by Suppressing p38 MAPK Signaling Pathway *Endocrinology and metabolism (Seoul, Korea)* 2021-10-01 [PMID: 34645125] (WB, Human)

Lu R, Zhou Q, Ju L Et Al. Upregulation of TRIP13 promotes the malignant progression of lung cancer via the EMT pathway *Oncology reports* 2021-08-01 [PMID: 34184074] (WB)

Ponandai-Srinivasan S, Saare M, et al. Syndecan-1 modulates the invasive potential of endometrioma via TGF-beta signalling in a subgroup of women with endometriosis. *Hum Reprod* 2020-10-01 [PMID: 32897364] (Simple Western)

Meng L, Yue X, Zhou D, Li H Long non coding RNA OIP5 AS1 promotes metastasis of breast cancer via miR 340 5p/ZEB2 axis *Oncol Rep* 2020-08-10 [PMID: 32945479] (WB, Human)

He C, Plattner R, Rangnekar V et al. Potential protein markers for breast cancer recurrence: a retrospective cohort study. *Cancer Causes Control*. 2018-11-28 [PMID: 30488343] (IF/IHC, Human)

More publications at <http://www.novusbio.com/NBP2-27293>





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Products Related to NBP2-27293

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-29626PEP	Snail Antibody Blocking Peptide

Limitations

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