

# Product Datasheet

## Snail Antibody - BSA Free NBP2-27184

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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**NBP2-27184**

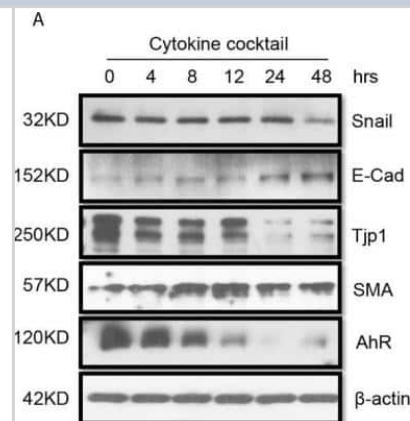
Snail Antibody - BSA Free

<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<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>	Polyclonal
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Protein A purified
<b>Buffer</b>	PBS
<b>Product Description</b>	
<b>Host</b>	Rabbit
<b>Gene ID</b>	6615
<b>Gene Symbol</b>	SNAI1
<b>Species</b>	Human, Mouse
<b>Immunogen</b>	A portion of amino acids 80-130 of human SNAI1/Snail was used as the immunogen.
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence, Knockout Validated
<b>Recommended Dilutions</b>	Western Blot 3-5ug/ml, Immunocytochemistry/ Immunofluorescence 1:100, Knockout Validated reported in scientific literature (PMID 32180899)

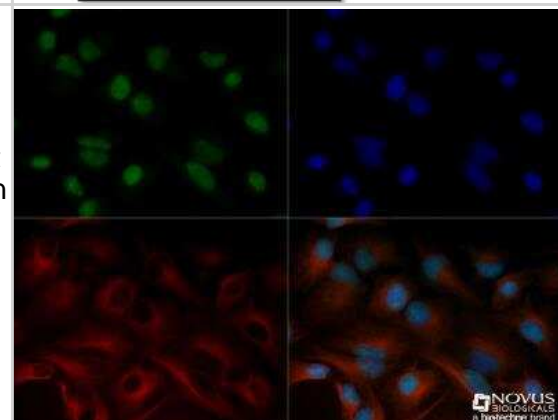


## Images

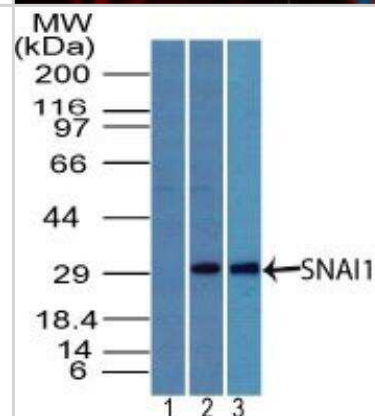
Western Blot: Snail Antibody [NBP2-27184] - Analysis of function protein expression on primary human renal cortical epithelial cells challenged with cytokines. Primary human renal tubular epithelial cells are challenged with cytokine cocktail (15nM IFN gamma, 6nM TNF alpha, and 3nM IL1 beta). Expression of Snail (NBP2-27184SS), E-Cad, TJP1, SMA, AhR, IDO, KMO, KY, MHC1 & II. Image collected and cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/34305900/>) licensed under a CC-BY license.



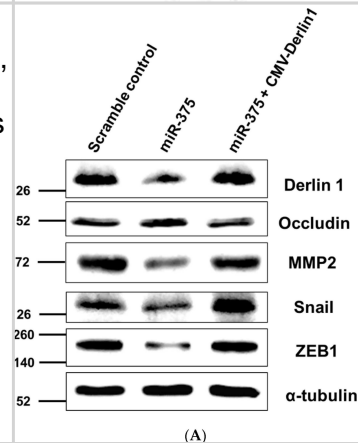
Immunocytochemistry/Immunofluorescence: Snail Antibody [NBP2-27184] - HeLa cells were fixed for 10 minutes using 10% formalin and then permeabilized for 5 minutes using 1X TBS + 0.5% Triton X-100. The cells were incubated with SNAIL (NBP2-27184) at a 1:100 dilution overnight at 4 degrees Celsius and detected with DyLight 488 (Green) at a 1:500 dilution. Alpha tubulin was used as a co-stain at a 1:1000 dilution and detected with DyLight 550 (Red). Nuclei were detected with DAPI (Blue) at 2.0 ug/ml in 1X PBS. Cells were imaged using a 40X objective.



Western Blot: Snail Antibody [NBP2-27184] - Analysis of Snail in human MCF7 cell lysate using (1) prebleed at 1:5000 dilution and (2) this antibody. Goat anti-rabbit Ig HRP secondary antibody and PicoTect ECL substrate solution were used for this test.



MiR-375-3p negatively regulates Derlin-1 & blocks EMT in BFTC909 cells. (A) Western blot revealed the restoration of Derlin-1, MMP-2, Snail, & ZEB1 after co-transfection of miR-375-3p mimics & CMV-Derlin-1 compared with cells transfected with miR-375-3p alone in BFTC909 cells with  $\alpha$ -tubulin as a reference (B) Quantification of the protein levels of Derlin-1, occludin, MMP-2, Snail, & ZEB1 from (A) (N = 3). (C) miR-375-3p suppressed BFTC909 cell migration ability but restored by Derlin-1 overexpression (N = 3). (D) miR-375-3p repressed invasion of BFTC909 cells but restored by Derlin-1 overexpression (N = 3). Data were represented as mean  $\pm$  SD; \* p < 0.05, \*\* p < 0.01. Image collected & cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/35205628/>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



## Publications

Sun DP, Huang HY, Chou CL et al. Punicalagin is cytotoxic to human colon cancer cells by modulating cell proliferation, apoptosis, and invasion Human & experimental toxicology 2023-11-07 [PMID: 37933160]

Lassiter R, Merchen Td, Fang X, Wang Y Protective Role of Kynurenine 3-Monooxygenase in Allograft Rejection and Tubular Injury in Kidney Transplantation Frontiers in immunology 2021-07-07 [PMID: 34305900]

Jhan JH, Hsu WC, Lee YC et al. MicroRNA-375-3p Suppresses Upper Tract Urothelial Carcinoma Cell Migration and Invasion via Targeting Derlin-1 Cancers 2022-02-10 [PMID: 35205628] (WB, Human)

Tiwari A, Ashary N, Singh N Et al. Modulation of E-Cadherin and N-Cadherin by ovarian steroids and embryonic stimuli Tissue & cell 2021-10-21 [PMID: 34710830] (IHC-P, Mouse)

Kale A, Aldahish A, Shah G Calcitonin receptor is required for T-antigen-induced prostate carcinogenesis Oncotarget 2020-03-03 [PMID: 32180899] (ICC/IF, KO, Mouse)

Han H, Zhan Z, Xu J, Song Z TMEFF2 inhibits pancreatic cancer cells proliferation, migration, and invasion by suppressing phosphorylation of the MAPK signaling pathway Onco Targets Ther 2019-12-23 [PMID: 31920328] (WB, Human)





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### **Products Related to NBP2-27184**

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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

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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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