

# 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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### Publications: 6

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**NBP2-27184**

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	Protein A purified
Buffer	PBS

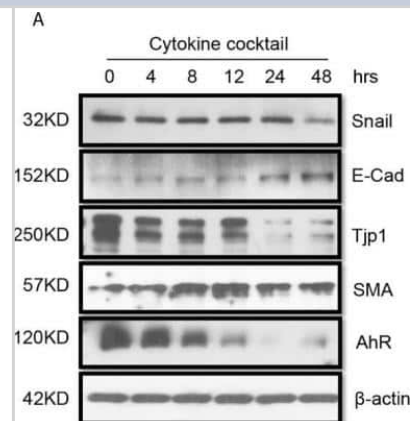
Product Description	
Description	Novus Biologicals Knockout (KO) Validated Rabbit Snail Antibody - BSA Free (NBP2-27184) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-Snail Antibody: Cited in 6 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	6615
Gene Symbol	SNAI1
Species	Human, Mouse
Immunogen	A portion of amino acids 80-130 of human SNAI1/Snail was used as the immunogen.

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Knockout Validated
Recommended Dilutions	Western Blot 3-5ug/ml, Immunocytochemistry/ Immunofluorescence 1:100, Knockout Validated reported in scientific literature (PMID 32180899)

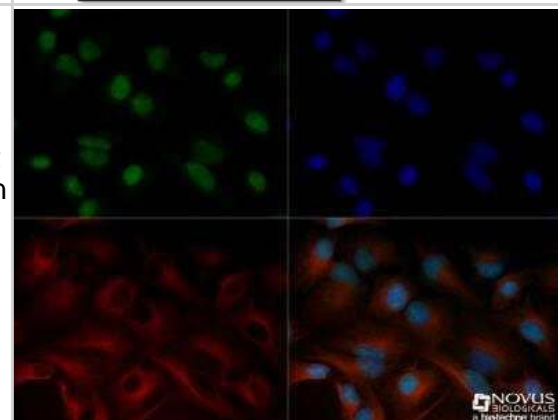


## Images

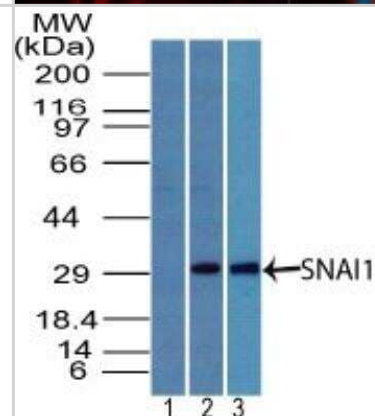
Western Blot: Snail Antibody [NBP2-27184] - Analysis of function protein expression on primary human renal cortical epithelial cells challenged with cytokines. Primary human renal tubular epithelial cells are challenged with cytokine cocktail (15nM IFN gamma, 6nM TNF alpha, and 3nM IL1 beta). Expression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



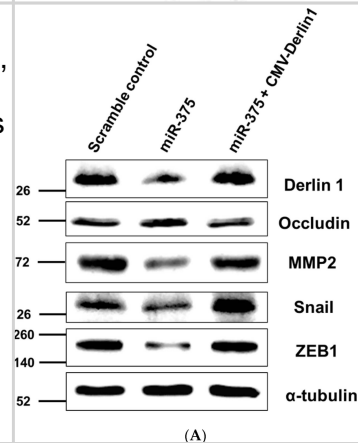
Immunocytochemistry/Immunofluorescence: Snail Antibody [NBP2-27184] - HeLa cells were fixed for 10 minutes using 10% formalin and then permeabilized for 5 minutes using 1X TBS + 0.5% Triton X-100. The cells were incubated with SNAIL (NBP2-27184) at a 1:100 dilution overnight at 4 degrees Celsius and 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

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] (Western Blot, Human)

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]

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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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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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