

Product Datasheet

WISP3 Antibody - Azide and BSA Free NBP2-93872-0.1ml

Unit Size: 0.1 ml

Store at -20C. Avoid freeze-thaw cycles.

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NBP2-93872-0.1ml

WISP3 Antibody - Azide and BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.01% Thimerosal
Isotype	IgG
Purity	Affinity purified
Buffer	PBS (pH 7.3), 50% glycerol
Target Molecular Weight	39 kDa

Product Description	
Description	Novus Biologicals Rabbit WISP3 Antibody - Azide and BSA Free (NBP2-93872) is a polyclonal antibody validated for use in IHC, WB, ELISA and IP. Anti-WISP3 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	8838
Gene Symbol	CCN6
Species	Human, Mouse, Rat
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 42-260 of human WISP3 (NP_937882.1). TGPLDTTPEGRPGEVSDAPQRKQFCHWPCKCPQQKPRCPPGVSLVRDGC GC CKICAKQPGEICNEADLCDPHKGLYCDYSVDRPRYETGVCAYLVAVGCEFNQV HYHNGQVFQPNPLFSCLCVSGAIGCTPLFIPKLAGSHCSGAKGGKSDQSNCS LEPLLQQLSTSYKTMPAYRNLPLIWKKKCLVQATKWTPCSRTCGMGISNRVTN ENSNCERK

Product Application Details	
Applications	Western Blot, ELISA
Recommended Dilutions	Western Blot 1:500-1:2000, ELISA

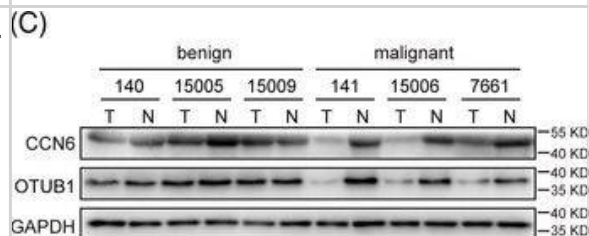


Images

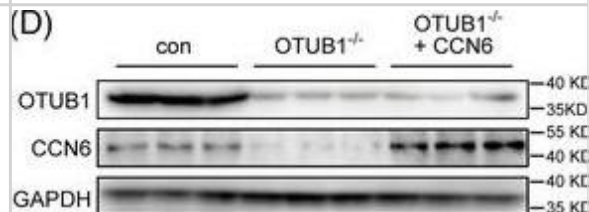
Western Blot: WISP3 Antibody [NBP2-93872] - Analysis of extracts of various cell lines, using WISP3 at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit . Exposure time: 30s.



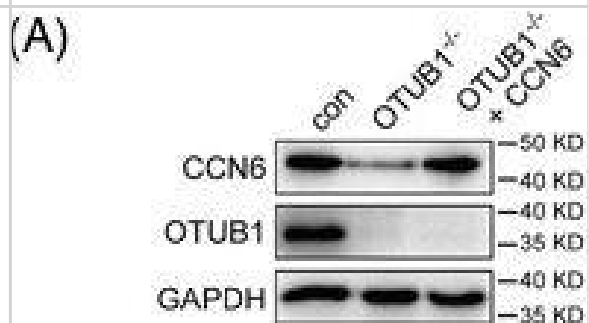
OTUB1 expression is positively correlated with CCN6 in clinical samples. (A) An invasive ductal carcinoma (Grade II, moderately differentiated) sample (T) and the adjacent non-tumour tissue (N) were analysed with H&E staining and immunohistochemistry for OTUB1 and CCN6 (scale bar = 100 μ m). (B) A breast intraductal papilloma sample (T) and the adjacent non-tumour tissue (N) were analysed with H&E staining and immunohistochemistry for OTUB1 and CCN6 (scale bar = 100 μ m). (C) Clinical samples were analysed with Western blot for OTUB1, CCN6 and GAPDH. (D) Correlation between the expression of OTUB1 and CCN6 in tumour tissues (upper panel) and adjacent non-tumour tissues (lower panel). Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/37608493>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



OTUB1 inhibits breast cancer growth in vivo. (A) Control, OTUB1^{-/-} and OTUB1^{-/-} + CCN6 4T1 cells were injected into nude mice and tumour volume was measured (n = 6 for all groups) (mean +/- SEM, NC vs. OTUB1^{-/-}: *p < .05, **p < .01; NC vs. OTUB1^{-/-} + CCN6: #p < .05, ##p < .01). On day 9 after tumour inoculation, mice were sacrificed and tumours were collected. Tumour (B) size and (C) weight were measured (n = 6 for all groups) (mean +/- SEM, *p < .05, **p < .01). (D) Whole cell lysates of tumour samples were analysed by Western blot for OTUB1, CCN6 and GAPDH. (E) Tumour samples were stained for Ki-67 and immunoreactivity was detected by 3,3'-diaminobenzidine chromogen (brown). Sections were counterstained with haematoxylin (blue) (scale bar = 100 μ m). Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/37608493>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



OTUB1 inhibits aggressive phenotypes of breast cancer cells in vitro. (A) Western blot analysis of CCN6, OTUB1 and GAPDH in control, OTUB1^{-/-} and OTUB1^{-/-} + CCN6 4T1 cells. Cell migration of different 4T1 cells was determined by (B) wound healing assay and (C) transwell migration assay (scale bar = 500 μ m). Cell proliferation of different 4T1 cells was determined by crystal violet staining. Images were taken with (D) 1 \times and (E) 4 \times magnification (scale bar = 500 μ m). (F) MTT assays were performed to assess the viability of different 4T1 cells (n = 3 for all groups) (mean +/- SEM, *p < .05). Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/37608493>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Zhao Y, Ruan J, Li Z et al. OTUB1 inhibits breast cancer by non-canonically stabilizing CCN6 Clinical and Translational Medicine 2023-08-22 [PMID: 37608493] (Immunoprecipitation, Western Blot, Immunohistochemistry-Paraffin, Knockdown Validated, Human, Mouse)





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Products Related to NBP2-93872-0.1ml

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

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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