

# Product Datasheet

## Strep II Tag Antibody (517) - Azide and BSA Free NBP2-43735

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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Updated 9/9/2025 v.20.1

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**NBP2-43735**

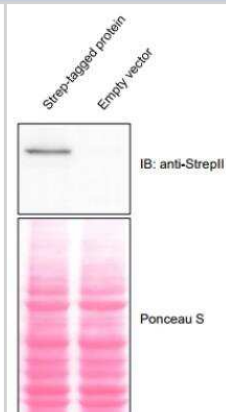
Strep II Tag Antibody (517) - Azide and BSA Free

<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	517
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG1
<b>Purity</b>	Protein G purified
<b>Buffer</b>	PBS, 20% Glycerol
<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Mouse Strep II Tag Antibody (517) - Azide and BSA Free (NBP2-43735) is a monoclonal antibody validated for use in WB and ICC/IF. Anti-Strep II Tag Antibody: Cited in 12 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Mouse
<b>Species</b>	Epitope Tag
<b>Immunogen</b>	Immunogen Amino acid sequence - ASWSHPQFEKGA
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence
<b>Recommended Dilutions</b>	Western Blot 1:1000-1:10000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000

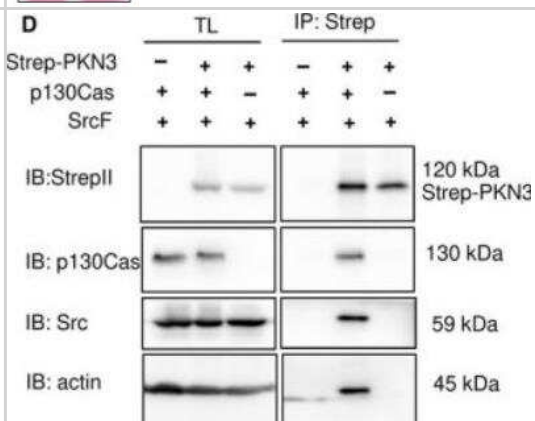


## Images

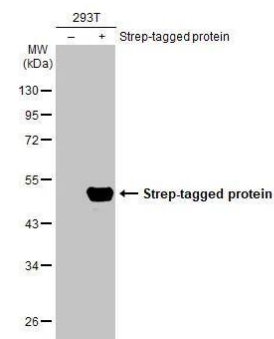
Western Blot: Strep II Tag Antibody (517) [NBP2-43735] - Sample from human breast cell lysate (MDA-MB-231 cells). Absence of a band in the lane containing lysate from cells with empty vector confirm antibody is specific for Strep II Tag. Image submitted by a verified customer review.



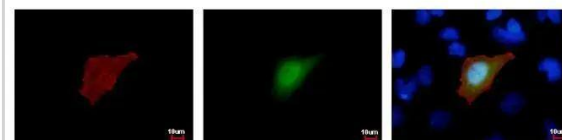
Western Blot: Strep II Tag Antibody (517) [NBP2-43735] - PKN3 regulates cell migration in 3D environment of SrcF-transformed MEFs and tumor growth in vivo through interaction with p130Cas. Association of PKN3 with Src and Actin in p130Cas-dependent manner is shown by co-immunoprecipitations. SrcF-transformed cells with or without p130Cas were transfected by Strep-PKN3, and PKN3 was precipitated by Strep-Tactin(R) Superflow(R) resin followed by western blotting and detection by anti-StrepII antibody. Co-immunoprecipitated p130Cas, Src, and Actin were detected using appropriate antibodies (anti-p130Cas, anti-Src, anti-Actin). Image collected and cropped by CiteAb from the following publication (<https://doi.wiley.com/10.1002/1878-0261.12401>) licensed under a CC-BY license.



Non-transfected (-) and transfected (+) 293T whole cell extracts (30 ug) were separated by 10% SDS-PAGE, and the membrane was blotted with Strep epitope Tag antibody [GT517] (NBP2-43735) diluted at 1:1000. The HRP-conjugated anti-mouse IgG antibody was used to detect the primary antibody.



Strep epitope Tag antibody [GT517] detects Strep-recombinant protein by immunofluorescent analysis. Sample: Strep/GFP-tag transfected HeLa cells were fixed in 4% paraformaldehyde at RT for 15 min. Red: Strep-recombinant protein stained by Strep epitope Tag antibody [GT517] (NBP2-43735) diluted at 1:500. Green: GFP is expressed in the transfected cell. Blue: Hoechst 33342 staining.



## Publications

Jäntti N, Moreno-Layseca P, Chastney M et al. EPLIN $\alpha$  controls integrin recycling from Rab21 endosomes to drive breast cancer cell migration. *Developmental cell* 2025-07-09 [PMID: 40669465]

Ruiz D, Haynes C, Marable J et al. Development of OX40 agonists for canine cancer immunotherapy *iScience* 2022-10-21 [PMID: 36217551] (Western Blot, Mouse)

Dibus N, Salyova E, Kolarova K et al. FBXO38 is dispensable for PD-1 regulation *EMBO Reports* 2024-09-12 [PMID: 39266770]

Zhang H, Zhou C, Mohammad Z, Zhao J. Structural basis of human 20S proteasome biogenesis *Nature Communications* 2024-09-18 [PMID: 39294158]

Nicolas Grosjean, Estella F. Yee, Desigan Kumaran, Kriti Chopra, Macon Abernathy, Sandeep Biswas, James Byrnes, Dale F. Kreitler, Jan-Fang Cheng, Agnidipta Ghosh, Steven C. Almo, Masakazu Iwai, Krishna K. Niyogi, Himadri B. Pakrasi, Ritimukta Sarangi, Hubertus van Dam, Lin Yang, Ian K. Blaby, Crysten E. Blaby-Haas A hemoprotein with a zinc-mirror heme site ties heme availability to carbon metabolism in cyanobacteria *Nature Communications* 2024-04-12 [PMID: 38609367]

Mirco Glitscher, Inga Mareike Spannaus, Fabiane Behr, Robin Oliver Murra, Kathrin Woytinek, Daniela Bender, Eberhard Hildt The protease domain in HEV pORF1 mediates the replicase's localization to multivesicular bodies and its exosomal release. *Cellular and molecular gastroenterology and hepatology* 2024-01-06 [PMID: 38190941]

Lee JD, Menasche BL, Mavrikaki M et al. Differences in syncytia formation by SARS-CoV-2 variants modify host chromatin accessibility and cellular senescence via TP53 *Cell reports* 2023-11-21 [PMID: 37991919] (WB)

Margarido Galan D Investigating the immunomodulatory effects of SARS-CoV-2 proteins ORF3a, ORF6 and ORF9b on the inflammatory response of human lung epithelial cells Thesis 2022-01-01 (WB, Human)

### Details:

Dilution used for WB 1:5000

Durkoop M Studying the immunomodulatory effects of SARS-CoV-2 viral proteins in human lung epithelial cell lines *Front Immunol* 2022-08-15 [PMID: 35967323]

Marable J, Ruiz D, Jaiswal A Et al. Nanobody-based CTLA4 inhibitors for immune checkpoint blockade therapy of canine cancer patients *Research Square* 2021-07-31 [PMID: 34675296] (WB)

Dibus M, BrAbek J, ROsel D A Screen for PKN3 Substrates Reveals an Activating Phosphorylation of ARHGAP18 *International Journal of Molecular Sciences* 2020-10-20 [PMID: 33092266]

Lidak T, Baloghova N, Korinek V et al. CRL4-DCAF12 Ubiquitin Ligase Controls MOV10 RNA Helicase during Spermatogenesis and T Cell Activation *International Journal of Molecular Sciences* 2021-05-20 [PMID: 34065512] (ICC/IF)

More publications at <http://www.novusbio.com/NBP2-43735>



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### **Products Related to NBP2-43735**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

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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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